

TECHNICAL DATA SHEETS

Building and Industry · 12 Products

DOCUMENT

PSC-TDS-SET EN

VERSION

1.0

ISSUE

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Issued by

PScoat Zurynski, Oezdogan & Co GmbH
Schützenstraße 81a
58239 Schwerte · Germany
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PSC 250T/BASIC B

Technical Data Sheet

Power Smart Coat 250 Temperation/BASIC B

Primer material designed for heat insulation and protection of surfaces.

DOCUMENT

PSC-TDS-BASIC-B EN

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PSC 250T/BASIC B

Power Smart Coat 250 Temperation/BASIC B

| *Primer material designed for heat insulation and protection of surfaces.*

Applying PSC 250T/BASIC B provides benefits such as:

- Convenient usage, allowing for both manual application using brush and mechanical spraying. This solution enables insulating of complex elements, such as: detailed designer elevation, technical installation etc.
- Can be diluted using water, the coating is environmental friendly.
- It is universal in application, allowing for usage on many surfaces.

APPLICATION

PSC 250T/BASIC B is designed to be used as primer for the main layer of PSC 250T. The material provides an excellent protection from corrosion, water condensation and C4/C5 chemical environment.

TECHNICAL DATA

Classification according to PN-EN 15824: 2010

No.	Parameter	Method of Examination	Declared Value
1	Water vapor penetration: – Vapor penetration factor V [g/m ² d]	PN-EN ISO 7783:2011	20±0,5
2	Water absorption [m ² ·h ^{0,5}]	PN-EN 1062-3:2008	0,01±0,2
3	Adhesion to surface [MPa]	PN-EN 1542-3:2000	≥1,0
4	Thermal durability [MPa] – after 20 cycles of freezing and refreezing	PN-EN 13687-3:2002	2,0±0,8
5	Adhesion [MPa] – to metal – to concrete	PN-EN 1542-3:2000	≥0,8 ≥1,0

Supplementary parameters

No.	Parameters	Method of Examination	Declared Value
1	SBI examination for fire reaction	PN-EN ISO 13832:2010	B-s1, d 0
2	Classification due to fire reaction: – flame range above 150 mm above flame application point during 60 s – appearing of flaming droplets/solid wastes causing the ignition of filtering paper.	PN-EN 13501-1+A1:2010 – $F_s \leq 150$ mm during 60 s – lack of flaming droplets/solid wastes causing the ignition of filtering paper.	– match – match
3	Ratio of heat conduction [W/mK]	PN-EN 1745:2004; PN-EN 1745:2004/Apl:2006	0,0324
4	Density volume [g/cm ³]		Approximately 0,8
5	Efficiency [kg/m ²] with coating thickness of 1 mm		Approximately 0,15
6	pH		8-9

SURFACE PREPARATION

PSC can be applied directly to surfaces, as long as they are in a solid condition. All surfaces must be cleared of dust, dirt, oil and loose particles. This will prevent the coating from detaching along with loose elements. The prepared surface must be dry (no water condensation) and any grease needs to be removed using a suitable formula. In case of smooth surfaces, it is recommended to matt them mechanically. After completing this procedure, the surface must be cleared of any dust, cleaned and left to dry. In order to level gravelly surfaces and remove loose particles, it is recommended to use pressure cleaners.

PREPARATION OF THE PRIMER BEFORE APPLICATION

Before using the product, it is necessary to consult the manual. The primer can be diluted with water (dilute only the amount of paint, needed for immediate coating). Amount of used water vary, depending on the temperature of the surface and environment.

During a prolonged storing, the coating can delaminate, but it is a natural process. In order to be restored to its prime condition, the coating needs to be stirred using a mixer, until it regains a consistent density.

The estimated mixing time is about 1-5 minutes while using a mechanical mixer, or 5-7 minutes if done manually. During the work session, the material needs to be mixed once per every 10 minutes.

APPLICATION OF THE COATING

It is advised to apply the coating using brush or painting aggregate, each layer not exceeding 0,1 mm. While using aggregate, it is best to follow the producer's guidelines. On smaller or narrow spots, it is advised to use a long-bristle brush, while large areas are best painted using aggregate. Not all devices are compatible with the PSC coating. We recommend using devices manufactured by the GRACO company, since they fulfill all necessary requirements. It is suggested to avoid working with the coating during rainy weather. After completing a work session, all tools need to be washed with water. The estimated drying time of one 0,1 mm layer ranges from 0,5 up to 24 hours, depending on temperature and air humidity. The next layer can be applied only after the last painted one becomes dry. The minimal temperature for the coating to become dry is +5° C.

STORAGE

PSC 250T/BASIC B needs to be stored in a undamaged container, in temperature between +5°C and +25°C. Protected from sun exposure. Transportation can be conducted in at least +5°C temperature. Containers must be secured in order to avoid freezing and damaging of the content during transportation.

REMARKS

The described product is not classified as dangerous, information given below is only a recommendation.

Keep away from children, do not eat, drink or smoke during the work session. Wear personal protection gear, such as boiler suite, gloves and goggles. After contact with eyes, wash the irritated area with water and remove contact lenses. If the symptoms last longer, immediately contact the doctor. In case of accidental eating of the coating, immediately wash mouth and contact the doctor. In case of contact with skin, wash the irritated area thoroughly with water and soap, then apply a cosmetic cream. If there is a need for medical help, show the sheet or label to the doctor. The coating is not classified as dangerous for environment and is not flammable in liquid form.

VALIDITY DATE

12 months starting from the production date placed on the package.

LEGAL DOCUMENTS

PN-EN 15824:2010 - Requirements regarding outer and inner plasters on organic binders.

Declaration of Conformity.

PSC 250T/BUILD

Technical Data Sheet

Power Smart Coat – 250 Temperation/BUILD

The multi-compound material designed for heat insulation and protection of constructional surfaces.

DOCUMENT

PSC-TDS-BUILD EN

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PSC 250T/BUILD

Power Smart Coat – 250 Temperation/BUILD

The multi-compound material designed for heat insulation and protection of constructional surfaces.

Applying PSC 250T/BUILD provides benefits such as:

- thermal insulation,
- convenient usage, allowing for both manual application using brush and mechanical spraying. This solution enables insulating of complex elements, such as: detailed designer elevation, technical installation etc.,
- low labour costs, comparing to traditional installations,
- low density of the coating, which does not add additional weight to installations,
- even and continued structure that ensures the same ratio of insulation of the whole surface,
- due to its water dilution ability, the coating is environmental friendly,
- it is universal in application, allowing for usage on many surfaces, including metal.

APPLICATION

PSC 250T/BUILD is an efficient solution, perfect for the insulation of building partitions. The thermal insulation coating prevents vapour condensation on the covered surface. The coating is stable, non-toxic and has a low dusting factor when exposed to changes of atmospheric conditions. PSC 250T/BUILD can be applied to both interior and outside walls of residential and commercial buildings. In addition to its adhesion to all types of materials, the coating also works as vapour permeable and time-limited water-proof layer. Due to being environment and health friendly, the material can be used both outside and inside of buildings. PSC 250T/BUILD reflects up to (TSR) $92 \pm 1\%$ of the infrared radiation. The material can be coloured directly by mixing or painted later on, using emulsion paints.

TECHNICAL DATA

Classification according to PN-EN 15824:2010

No.	Parameter	Method of Examination	Declared Value
1	Water vapor penetration: – Vapour penetration factor V [g/m ² d]	PN-EN ISO 7783:2011	6,2±0,15
2	Water absorption [m ² ·h ^{0,5}]	PN-EN 1062-3:2008	0,01±0,2
3	Adhesion to surface [MPa]	PN-EN 1542-3:2000	≥1,0
4	Thermal durability [MPa] – after 20 cycles of freezing and refreezing	PN-EN 13687-3:2002	2,0±0,8
5	Adhesion [MPa] – to metal – to concrete	PN-EN 1542-3:2000	≥0,8 ≥1,0

Supplementary parameters

No.	Parameter	Method of Examination	Declared Value
1	SBI examination for fire reaction	PN-EN ISO 13832:2010	B-s1, d 0
2	Classification due to fire reaction: – flame range above 150 mm above flame application point during 60s – appearing of flaming droplets/solid wastes causing the ignition of filtering paper.	PN-EN 13501-1+A1:2010 – $F_s \leq 150$ mm during 60s – lack of flaming droplets/solid wastes causing the ignition of filtering paper.	– match – match
3	Ratio of heat conduction [W/mK]	PN-EN 1745:2004; PN-EN 1745:2004/Apl:2006	0,093
4	Density volume [g/cm ³]		Approximately 0,6
5	Efficiency [kg/m ²] with coating thickness of 1 mm		Approximately 0,7
6	pH		8-9

SURFACE PREPARATION

PSC 250T/BUILD can be applied directly to corroded surfaces, as long as they are in a solid condition. All surfaces must be cleared of dust, dirt, oil and loose particles. This will prevent the coating from detaching along with loose elements. The prepared surface must be dry (no water condensation) and any grease needs to be removed using a suitable formula. In case of smooth surfaces, it is recommended to matt them mechanically. After completing this procedure, the surface must be cleared of any dust, cleaned and left to dry. In order to level gravelly surfaces and remove loose particles, it is recommended to use pressure cleaners.

PREPARATION OF THE COATING BEFORE APPLICATION

Before using the product, it is necessary to consult the manual. The coating can be diluted with water (dilute only the amount of paint, needed for immediate coating). Amount of used water vary, depending on the temperature of the surface and environment. The maximal input can be 3% of the coating mass. During a prolonged storing, the coating can delaminate, but it is a natural process. In order to be restored to its prime condition, the coating needs to be stirred using a low-speed mixer (up to 150 turns per minute), until it regains a consistent density. Usage of higher mixing speed can result in damaging of microspheres and, in turn, loss of the insulating properties. The estimated mixing time is about 1-5 minutes while using a mechanical mixer, or 5-7 minutes if done manually. During the work session, the material needs to be mixed once per every 10 minutes.

APPLICATION OF THE COATING

It is advised to apply the coating using brush or painting aggregate, each layer not exceeding 0,5 mm. While using aggregate, it is best to follow the producer's guidelines. On smaller or narrow spots, it is advised to use a long-bristle brush, while large areas are best painted using aggregate with maximal pressure from 50 to 120 bars. Not all devices are compatible with the PSC coating. We recommend using devices manufactured by the GRACO company, since they fulfill all necessary requirements. It is suggested to avoid working with the coating during rainy weather. After completing a work session, all tools need to be washed with water.

The estimated drying time of one 0,5 mm layer ranges from 2 up to 48 hours, depending on temperature and air humidity. The next layer can be applied only after the last painted one becomes dry. The minimal temperature for the coating to become dry is +5° C. It needs to be underlined that applying layers thicker than 0,5 mm is strictly

prohibited, as it can cause the whole coating to delaminate. If applied on a surface with temperature of at least 80° C, the coating tends to dry quickly, in such case it is also advised to prime the surface with a diluted product (amount of added water about 40-50%). The estimated time of drying of the primed surface is about 1 hour.

STORAGE

- PSC needs to be stored in a undamaged container, in temperature between +5 °C and +25 °C.
- Protected from sun exposure.
- Transportation can be conducted in at least +5 °C temperature.
- Containers must be secured in order to avoid freezing and damaging of the content during transportation.

REMARKS

The described product is not classified as dangerous, information given below is only a recommendation.

Keep away from children, do not eat, drink or smoke during the work session. Wear personal protection gear, such as boiler suite, gloves and goggles. After contact with eyes, wash the irritated area with water and remove contact lenses. If the symptoms last longer, immediately contact the doctor. In case of accidental eating of the coating, immediately wash mouth and contact the doctor. In case of contact with skin, wash the irritated area thoroughly with water and soap, then apply a cosmetic cream. If there is a need for medical help, show the sheet or label to the doctor. The coating is not classified as dangerous for environment and is not flammable in liquid form.

VALIDITY DATE

12 months starting from the date placed on package.

LEGAL DOCUMENTS

PN-EN 15824:2010 - Requirements regarding outer and inner plasters on organic binders.

Declaration of Conformity.

PSC-250T/ECI - INTERIOR

Technical Data Sheet

PSC 250T/ECI - INTERIOR

Acrylic based, thermal reflective paint designed for building inner walls.

DOCUMENT

PSC-TDS-INTERIOR EN

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PScoat Zurynski, Oezdogan & Co GmbH
Schützenstraße 81a
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www.pscoat.international



PSC-250T/ECI - INTERIOR

PSC 250T/ECI - INTERIOR

| *Acrylic based, thermal reflective paint designed for building inner walls.*

Applying PSC 250T/ECI - INTERIOR provides benefits such as:

- reduction of heating/air-conditioning costs (by up to 50%)
- decrease/increase of ambient temperature
- pollution reduction in urban areas
- easy recycling
- insulation space savings due to the use of nanotechnology
- protection from corrosion
- protection from biological corrosion
- thermal insulation

GENERAL DESCRIPTION

PSC 250T/ECI - INTERIOR is a highly efficient thermal insulation and protection material for buildings inner walls. It is completely washable and resistant to dirt and diluted chemicals. The acrylic resin based paint uses the microspheres technology (Swiss formula). Each cell is sealed with a vacuum. Thermal resistance and insulating properties create a synergic effect in reducing surface heat transfer. The coating is also air permeable, waterproof and has an excellent surface adhesion. High solar reflectivity and low conductivity create a perfect insulation effect. The paint is available in many color shades. Because of its reflective properties, it is advised to choose a light one (red, orange, yellow, green, blue, violet).

POSSIBLE APPLICATIONS

The paint can be used on mineral-based surfaces: cement, lime-cement, gypsum and concrete plasters etc. It is both energy efficient and elastic. It is nontoxic, environmentally friendly and form a single membrane that overlaps the hairline cracks. The paint is fully washable and resistant to dirt and chemicals. It is suitable for use in climatic conditions where energy costs play an important role in maintaining a favorable temperature environment. The material is resistant to corrosion and water condensation.

CLASSIFICATION ACCORDING TO PN-EN 1062-1: 2005

Classification according to chemical properties	Acrylic based resin aqueous dispersion
Classification according the state of dissolution	Water-dilutable
Gloss 85° ≤ 10 (Matt)	G3
Coating thickness > 50 ≤ 100	E2
Grain volume (fine-grained). Marked according to PN-EN ISO 1524:2002 (EN 21524) equals: up to 100 µm	S1
Water vapour diffusion (Medium) ≤ 150 > 15 g/m ² ·d	V2
Water permeability (Small) ≤ 0,1 kg/m ² ·h _{0,5}	W3
Covering of cracks	Not tested
Carbon dioxide permeability	Not tested

Code mark: PN-EN 1062-1 G3 E2 S1 V2 W3 - -

CLASSIFICATION ACCORDING TO PN-EN 1504-2: 2006

Water absorption W [kg/m ² H _{0,5}] according to PN-EN 1062-3: 2008	W<0,1
Impact resistance [Nm] according to PN-EN ISO 6272-2: 2011	Class I ≥ 4
Fatigue load [N] according to PN-EN 1542: 2000	1400
Adhesion [N/mm ²] ≥0.8 according to PN-EN 1542: 2000	0,8
Damage type according to PN-EN 1542: 2000	A
Abrasion resistance (load 1000g / number of cycles 1000) [mg] according to PN-EN ISO 5470-1: 2017-02, weight loss in [mg]	0,90
Improvement of wear resistance (load 1000 g / number of cycles 1000) [%], according to PN-EN ISO 5470-1: 2017-02	≥30

INSULATION PROPERTIES

PSC 250T/ECI - INTERIOR has a reflection factor value (TSR) of 92 ± 1% and thermal conductivity of 0,0324 W/mK. Traditional insulation paints just absorb sunlight, their formula slowing thermal exchange. In contact with PSC 250T/ECI - INTERIOR, the majority of sunlight energy is reflected back from the surface, the rest absorbed by the coating or removed as infrared rays.

SURFACE PREPARATION

All surfaces must be clean and free of efflorescence (dust, dirt, oil and grease). In case of a facade renewal it is advised to perform a detailed surface check and:

- remove old coating and all loose elements
- clean all dirty/oily spots

- in case of severe/permanent smudges apply sandblasting
- in case of fungal infection apply the appropriate agents
- level all roughness using cement or lime-cement based plasters
- before applying paint, apply the universal deep-penetration primer or PSC 250T/ECI – INTERIOR, watered down 1:1.

COLORS

The standard color is white. Other shades can be prepared on request using water-soluble dyes (eg Jotun, Hempel, Nippon).

NOTE: We recommend using light shades, darker colors have lower reflection of sunlight.

CONTENT OF VOLATILE ORGANIC SUBSTANCES

less than 10 g/l

CONSUMPTION OF PSC MATERIAL ON 1 m²

(one layer on all applicable surfaces with ideally level surface)

At a thickness of 0,15 mm: 0,18 liters per 1 m²

At a thickness of 0,20 mm: 0,24 liters per 1 m²

At a thickness of 0,25 mm: 0,30 liters per 1 m²

TIME OF EXCLUSION

Time before applying PSC 250T ECI-INTERIOR: min. 1,5 hours according to temperature and relative humidity (see Manufacturer's instruction + Application manual - drying chart). Do not apply the product in case of rain or if the rain may start before the paint dries sufficiently. The ambient temperature and the temperature of the surface should be between +5°C and +30°C. Air humidity should be lower than 80%.

WARNING: In all cases, the paint cannot be applied on a wet surface.

MIXING

PSC 250T/ECI – INTERIOR is diluted with water before use. Dilute only the amount of product you use. The water used for dilution should not exceed 0.3l per pack. Mix the diluted mixture with a mixer at low speed (up to 150 rpm) for 3-5 minutes in mechanical mixers and 5-7 minutes with manual mixing. For detailed information please consult Manufacturer's instruction + Application manual.

APPLICATION EQUIPMENT

Recommended equipment: roller brushes or spraying machines. Brush can be used on very small areas. When applying the product with a brush, it is necessary to apply three cross layers to ensure adequate protection.

APPLICATION PROCEDURES

We recommend using the GRACO RTX 5500 for the application of structured surfaces, and GRACO MARK V or GRACO MARK VII (see manufacturer's specifications) for smooth surface applications.

PACKAGING

Plastic buckets of 18 liters (5,3 gallons) or other according to the buyers request.

ADDITIONAL TRANSPORT WEIGHT

Net weight per liter: 0.90±0,05 kg

Plastic bucket 18 liters (5.3 gallons): 16,2kg

Bucket size: 34 cm width x 32 cm height

STORAGE

- in original and properly sealed containers, in temperature between +5 oC and +25oC
- in sealed rooms, away from heat sources.
- The product is water-dilutable and will be destroyed in sub-zero temperatures.

SHELF LIFE OF PSC IN PACKAGING

12 months from date of packaging (protect from freezing and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water-soluble)

PRODUCT CODE

PSC 250T/ECI - INTERIOR

Batch number: see package

WARRANTY / Protection time

1 year / 25 years

EXCLUSIVE REPLACEMENT

Exclusive compensation for goods that does not correspond to the warranty provided is the replacement of the product. The manufacturer is not responsible for any damages, including (but not limited to) wage costs.

LEGAL DOCUMENTS

PN-EN 1062-1: 2005 Paints and varnishes. Varnish products and coating systems.

PN-EN 1504-2: 2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and conformity assessment. Part 2: Concrete surface protection systems.

Declaration of Performance, CE

PSC 250T/ECO - OUTSIDE

Technical Data Sheet

PSC 250T/ECO - OUTSIDE

Acrylic based, thermal reflective paint designed for building facades.

DOCUMENT

PSC-TDS-ECO-OUTSIDE EN

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PSC 250T/ECO - OUTSIDE

PSC 250T/ECO - OUTSIDE

| *Acrylic based, thermal reflective paint designed for building facades.*

Applying PSC 250T/ECO - OUTSIDE provides benefits such as:

- reduction of heating/air-conditioning costs (by up to 50%)
- decrease/increase of ambient temperature
- pollution reduction in urban areas
- easy recycling
- insulation space savings due to the use of nanotechnology
- protection from condensation
- protection from biological corrosion
- thermal insulation

GENERAL DESCRIPTION

PSC 250T/ECO - OUTSIDE is a highly efficient thermal insulation and protection material for commercial and industrial buildings. It is completely washable and resistant to dirt and diluted chemicals. The acrylic resin based paint uses the microspheres technology (Swiss formula). Each cell is sealed with a vacuum. Thermal resistance and insulating properties create a synergic effect in reducing surface heat transfer. The coating is also air permeable, waterproof and has an excellent surface adhesion. High solar reflectivity and low conductivity create a perfect insulation effect. The paint is available in many color shades. Because of its reflective properties, it is advised to choose a light one (red, orange, yellow, green, blue, violet). After application, the material forms a smooth, matt layer, similar to gypsum.

POSSIBLE APPLICATIONS

The paint can be used on mineral-based surfaces: cement, lime-cement, gypsum and concrete plasters etc. It is both energy efficient and elastic. It is nontoxic, environmentally friendly and form a single membrane that overlaps the hairline cracks. The paint is fully washable and resistant to dirt and chemicals. It is suitable for use in climatic conditions where energy costs play an important role in maintaining a favorable temperature environment. The material is resistant to corrosion and water condensation.

CLASSIFICATION ACCORDING TO PN-EN 1062-1: 2005

Classification according to chemical properties	Acrylic based resin aqueous dispersion
Classification according the state of dissolution	Water-dilutable
Gloss 85° ≤ 10 (Matt)	G3
Coating thickness > 50 ≤ 100	E2
Grain volume (fine-grained). Marked according to PN-EN ISO 1524:2002 (EN 21524) equals: up to 100 µm	S1
Water vapour diffusion (Medium) ≤ 150 > 15 g/m ² ·d	V2
Water permeability (Small) ≤ 0,1 kg/m ² ·h _{0,5}	W3
Covering of cracks	Not tested
Carbon dioxide permeability	Not tested

Code mark: PN-EN 1062-1 G3 E2 S1 V2 W3 - -

CLASSIFICATION ACCORDING TO PN-EN 1504-2: 2006

Water absorption W [kg/m ² H _{0,5}] according to PN-EN 1062-3: 2008	W<0,1
Impact resistance [Nm] according to PN-EN ISO 6272-2: 2011	Class II ≥ 10
Fatigue load [N] according to PN-EN 1542: 2000	1400
Adhesion [N/mm ²] ≥0.8 according to PN-EN 1542: 2000	0,8
Damage type according to PN-EN 1542: 2000	A
Abrasion resistance (load 1000g / number of cycles 1000) [mg] according to PN-EN ISO 5470-1: 2017-02, weight loss in [mg]	0,27
Improvement of wear resistance (load 1000 g / number of cycles 1000) [%], according to PN-EN ISO 5470-1: 2017-02	≥30

INSULATION PROPERTIES

PSC 250T/ECO - OUTSIDE has a reflection factor value (TSR) of 92 ± 1% and thermal conductivity of 0,0324 W/mK. Traditional insulation paints just absorb sunlight, their formula slowing thermal exchange. In contact with PSC 250T/ECO - OUTSIDE, the majority of sunlight energy is reflected back from the surface, the rest absorbed by the coating or removed as infrared rays.

SURFACE PREPARATION

All surfaces must be clean and free of efflorescence (dust, dirt, oil and grease). In case of a facade renewal it is advised to perform a detailed surface check and:

- remove old coating and all loose elements
- clean all dirty/oily spots

- in case of severe/permanent smudges apply sandblasting
- in case of fungal infection apply the appropriate agents
- level all roughness using cement or lime-cement based plasters
- before applying paint, apply the universal deep-penetration primer or PSC 250T/ECO - OUTSIDE, watered down 1:1.

COLORS

The standard color is white. Other shades can be prepared on request using water-soluble dyes (eg Jotun, Hempel, Nippon).

NOTE: We recommend using light shades, darker colors have lower reflection of sunlight.

CONTENT OF VOLATILE ORGANIC SUBSTANCES

less than 10 g/l

CONSUMPTION OF PSC MATERIAL ON 1 m²

(one layer on all applicable surfaces with ideally level surface)

At a thickness of 0,15 mm: 0,18 liters per 1 m²

At a thickness of 0,20 mm: 0,24 liters per 1 m²

At a thickness of 0,25 mm: 0,30 liters per 1 m²

TIME OF EXCLUSION

Time before applying PSC 250T/ECO - OUTSIDE: min. 1,5 hours according to temperature and relative humidity (see Manufacturer's instruction + Application manual - drying chart). Do not apply the product in case of rain or if the rain may start before the paint dries sufficiently. The ambient temperature and the temperature of the surface should be between +5°C and +30°C. Air humidity should be lower than 80%.

WARNING: In all cases, the paint cannot be applied on a wet surface.

MIXING

PSC 250T/ECO - OUTSIDE is diluted with water before use. Dilute only the amount of product you use. The water used for dilution should not exceed 0.3l per pack. Mix the diluted mixture with a mixer at low speed (up to 150 rpm) for 3-5 minutes in mechanical mixers and 5-7 minutes with manual mixing. For detailed information please consult Manufacturer's instruction + Application manual.

APPLICATION EQUIPMENT

Recommended equipment: roller brushes or spraying machines. Brush can be used on very small areas. When applying the product with a brush, it is necessary to apply three cross layers to ensure adequate protection.

APPLICATION PROCEDURES

We recommend using the GRACO RTX 5500 for the application of structured surfaces, and GRACO MARK V or GRACO MARK VII (see manufacturer's specifications) for smooth surface applications.

PACKAGING

Plastic buckets of 18 liters (5,3 gallons) or other according to the buyers request.

ADDITIONAL TRANSPORT WEIGHT

Net weight per liter: 0.52±0,05 kg

Plastic bucket 18 liters (5.3 gallons): 9.36 kg

Bucket size: 34 cm width x 32 cm height

STORAGE

- in original and properly sealed containers, in temperature between +5 oC and +25oC
- in sealed rooms, away from heat sources.
- The product is water-dilutable and will be destroyed in sub-zero temperatures.

SHELF LIFE OF PSC IN PACKAGING

12 months from date of packaging (protect from freezing and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water-soluble)

PRODUCT CODE

PSC 250T/ECO - OUTSIDE

Batch number: see package

WARRANTY / Protection time

1 year / 25 years

EXCLUSIVE REPLACEMENT

Exclusive compensation for goods that does not correspond to the warranty provided is the replacement of the product. The manufacturer is not responsible for any damages, including (but not limited to) wage costs.

LEGAL DOCUMENTS

PN-EN 1062-1: 2005 Paints and varnishes. Varnish products and coating systems.

PN-EN 1504-2: 2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and conformity assessment. Part 2: Concrete surface protection systems.

Declaration of Performance, CE

PSC 250T/ECR – ROOF

Technical Data Sheet

PSC 250T ECR – ROOF

Acrylic based, thermal reflective paint designed for metal roofs.

DOCUMENT

PSC-TDS-ECR-ROOF EN

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PSC 250T/ECR – ROOF

PSC 250T ECR – ROOF

Acrylic based, thermal reflective paint designed for metal roofs.

Applying PSC 250T/ECR - ROOF provides benefits such as:

- reduction of heating/air-conditioning costs (by up to 50%)
- thermal stability while using heating/air conditioning
- decrease/increase of ambient temperature
- pollution reduction in urban areas
- easy recycling
- insulation space savings due to the use of nanotechnology
- protection from corrosion
- protection from water condensation
- thermal insulation
- increased life cycle of the insulated surface

GENERAL DESCRIPTION

PSC 250T/ECR – ROOF is a highly efficient thermal insulation and protection material for metal roofs and adjacent elements. It is completely washable and resistant to dirt and diluted chemicals. The acrylic resin based paint uses the microspheres technology (Swiss formula). Each cell is sealed with a vacuum. Thermal resistance and insulating properties create a synergic effect in reducing surface heat transfer. The coating is also air nonpermeable, waterproof and has an excellent surface adhesion. High solar reflectivity and low conductivity create a perfect insulation effect. The paint is available in many color shades. Because of its reflective properties, it is advised to choose a light one (red, orange, yellow, green, blue, violet). After application forms a layer similar to gypsum. The product is eco-friendly, resistant to atmospheric conditions and UV radiation. It is a quick-drying material with excellent covering properties. The material is also environment friendly, as it is non-toxic.

THE PAINT IS INTENDED FOR USE ON THE FOLLOWING SURFACES: metals, all kinds of steel, aluminum, non-ferrous metals, metal roofs, galvanized sheets, metal storage tanks, pipes.

Do not apply on: PE, HDPE, PP, PTFE and other plastics.

POSSIBLE APPLICATIONS

Paint PSC-250T/ECR - ROOF is designed for color coating of new metal roofs and renovating older ones. It is also suitable for ceramic/concrete tiles on roofs with slope of over 3%. The material can be used for painting ventilation and garbage disposal pipes and those made of solid PVC/galvanized sheet. In case of new surfaces, clean it with solvent or apply sandblasting. It is suitable for use in climatic conditions where energy costs play an important role in maintaining a favorable temperature environment. The material is resistant to corrosion, water condensation and works in C4/C5 chemical environment.

CLASSIFICATION ACCORDING TO PN-EN 1062-1: 2005

Classification according to chemical properties	Acrylic based resin aqueous dispersion
Classification according the state of dissolution	Water-dilutable
Gloss 85° ≤ 10 (Matt)	G3
Coating density > 50 ≤ 100	E2
Grain volume (fine-grained). Marked according to PN-EN ISO 1524:2002 (EN 21524) equal up to 100 µm	S1
Water vapour diffusion (Medium) ≤ 150 > 15 g/m ² ·d	V2
Water permeability (Small) ≤ 0,1 kg/m ² h _{0,5}	W3
Covering of cracks	Not tested
Carbon dioxide permeability	Not tested

Code mark: PN-EN 1062-1 G3 E2 S1 V2 W3 - -

CLASSIFICATION ACCORDING TO PN-EN 1504-2: 2006

Water absorption W [kg/m ² H _{0,5}] according to PN-EN 1062-3: 2008	W<0,1
Impact resistance [Nm] according to PN-EN ISO 6272-2: 2011	Class II ≥ 10
Fatigue load [N] according to PN-EN 1542: 2000	1400
Adhesion [N/mm ²] ≥0.8 according to PN-EN 1542: 2000	0,8
Damage type according to PN-EN 1542: 2000	A
Abrasion resistance (load 1000g / number of cycles 1000) [mg] according to PN-EN ISO 5470-1: 2017-02, weight loss in [mg]	0,27
Improvement of wear resistance (load 1000 g / number of cycles 1000) [%], according to PN-EN ISO 5470-1: 2017-02	≥30

INSULATION PROPERTIES

PSC 250T/ECR - ROOF has a reflection factor value (TSR) of 91 ± 1% and thermal conductivity of 0,0324 W/mK. Traditional insulation paints just absorb sunlight, their formula slowing thermal exchange. In contact with PSC 250T/ECR - ROOF, the majority of sunlight energy is reflected back from the surface, the rest absorbed by the coating or removed as infrared rays.

SURFACE PREPARATION

All surfaces must be clean and free of dust, dirt, oil and grease. For cleaning metal surfaces, it is advised to use a wire brush or sandpaper. All rust must be removed from metal surfaces. Smooth surfaces must be mechanically roughened. In case of roofs it is advised to apply washing by water under pressure or sandblasting.

COLORS

The standard color is white. Other shades can be prepared on request using water-soluble dyes (eg Jotun, Hempel, Nippon).

NOTE: We recommend using light shades, darker colors have lower reflection of sunlight.

CONTENT OF VOLATILE ORGANIC SUBSTANCES

less than 10 g/l

CONSUMPTION OF PSC MATERIAL ON 1 m²

(one layer on all applicable surfaces with ideally level surface)

At a thickness of 0,15 mm: 0,18 liters per 1 m²

At a thickness of 0,20 mm: 0,24 liters per 1 m²

At a thickness of 0,25 mm: 0,30 liters per 1 m²

TIME OF EXCLUSION

Time before applying PSC-250T/ECR - ROOF: min. 1,5 hours according to temperature and relative humidity (see Manufacturer's instruction + Application manual - drying chart). After this time, no dust is poured onto the paint and the coating does not flow at increased humidity. Do not apply the product in case of rain or if the rain may start before the paint dries sufficiently.

WARNING: In all cases, the paint cannot be applied on a wet surface.

MIXING

PSC 250T/ECR - ROOF is diluted with water before use. Dilute only the amount of product you use. The water used for dilution should not exceed 0.2l per 10 liters pack. Mix the diluted mixture with a mixer at low speed (up to 150 rpm) for 3-5 minutes in mechanical mixers and 5-7 minutes with manual mixing. For detailed information please consult the manufacturer's instruction and the application manual.

APPLICATION EQUIPMENT

Recommended equipment: roller brushes or spraying machines. Brush can be used on very small areas. When applying the product with a brush, it is necessary to apply three cross layers to ensure adequate protection.

APPLICATION PROCEDURES

We recommend using the GRACO RTX 5500 for the application of structured surfaces, and GRACO MARK V or GRACO MARK VII (see manufacturer's specifications) for smooth surface applications. For detailed information please consult the manufacturer's instruction and the application manual.

PACKAGING

Plastic buckets of 18 liters (5,3 gallons) or 10 liters.

ADDITIONAL TRANSPORT WEIGHT

Net weight per liter: $0,9 \pm 0,05$ kg

Plastic bucket 18 liters (5.3 gallons): 16,2 kg

Bucket size: 34 cm width x 32 cm height

STORAGE

- in original and properly sealed containers, in temperature between +5 °C and +25°C
- in sealed rooms, away from heat sources.
- The product is water-dilutable and will be destroyed in sub-zero temperatures.

SHELF LIFE OF PSC IN PACKAGING

12 months from date of packaging (protect from freezing and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water-soluble)

PRODUCT CODE

PSC 250T/ECR - ROOF

Batch number: see package

WARRANTY / Protection time

1 year / 25 years

EXCLUSIVE REPLACEMENT

Exclusive compensation for goods that does not correspond to the warranty provided is the replacement of the product. The manufacturer is not responsible for any damages, including (but not limited to) wage costs.

For further information, please consult with the manual.

LEGAL DOCUMENTS

PN-EN 1062-1: 2005 Paints and varnishes. Varnish products and coating systems.

PN-EN 1504-2: 2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and conformity assessment. Part 2: Concrete surface protection systems.

Declaration of Performance, CE

PSC 250T ECE - ELASTIC

Technical Data Sheet

PSC 250T ECE - ELASTIC

Acrylic based, thermal reflective paint with increased adhesion - designed for metal roofs.

DOCUMENT

PSC-TDS-ELASTIC EN

VERSION

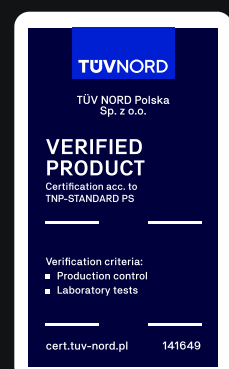
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Schützenstraße 81a
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www.pscoat.international



PSC 250T ECE - ELASTIC

PSC 250T ECE - ELASTIC

Acrylic based, thermal reflective paint with increased adhesion - designed for metal roofs.

Applying PSC 250T ECE - ELASTIC provides benefits such as:

- reduction of heating/air-conditioning costs (by up to 50%)
- thermal stability while using heating/air conditioning
- decrease/increase of ambient temperature
- pollution reduction in urban areas
- easy recycling
- insulation space savings due to the use of nanotechnology
- protection from corrosion
- protection from water condensation
- thermal insulation
- increased object longevity

GENERAL DESCRIPTION

PSC 250T ECE – ELASTIC is a highly efficient, energy-saving and flexible paint for insulation and sealing of metal and plastic surfaces with thermo reflective properties and increased adhesion to the substrate. It is non-toxic, environmentally friendly and creates a single membrane that covers the microcracks. It is fully washable and resistant to dirt and chemicals. Water-based coating based on acrylic resin filled with microspheres (Swiss patent). Each cell is sealed with a microsphere using a vacuum. Thermal resistance and insulation properties cause a synergistic effect in reducing surface heat transfer. The paint has excellent insulating properties, is vapor-impermeable, but also waterproof and adhesive to the substrate. The high solar reflectivity and low conductivity create an ideal insulation effect. The paint is available in many different shades of colors. Due to the reflection function, shades of light (from red to orange, yellow, green, blue and violet) are especially recommended. After application, it creates a pleasant matte plaster-like surface. Permanently binds to the ground, environmentally friendly (water dispersion), resistant to weather conditions, UV radiation. Fast drying has very good coverage.

THE PAINT IS INTENDED FOR USE ON THE FOLLOWING SURFACES: metals, plastics, all types of steel, aluminum, non-ferrous metals, metal roofs, galvanized sheet metal, metal tanks, pipes.

Do not apply on: PE, HDPE, PP, PTFE and other plastics.

POSSIBLE APPLICATIONS

Paint PSC 250T ECE - ELASTIC is designed for coloured painting of both solid and elastic (PVC, PS, PC etc.) surfaces. It can be also used to cover new metal roofs and renovating older ones. It is also suitable for ceramic/concrete tiles on roofs with slope of over 3%. The material can be used for painting: ventilation and garbage disposal pipes, and those made of solid PVC/galvanized sheet. In case of new surfaces, clean it with solvent of sandblasting. It is suitable for use in climatic conditions where energy costs play an important role in maintaining a favorable temperature environment. The material is resistant to corrosion, water condensation and works in C4/C5 chemical environment.

CLASSIFICATION ACCORDING TO PN-EN 1062-1: 2005

Classification according to chemical properties	Acrylic based resin aqueous dispersion
Classification according the state of dissolution	Water-dilutable
Gloss 85° ≤ 10 (Matt)	G3
Coating density > 50 ≤ 100	E2
Grain volume (fine-grained). Marked according to PN-EN ISO 1524:2002 (EN 21524) equal: up to 100 µm	S1
Water vapour diffusion (Medium) ≤ 150 > 15 g/m ² ·d	V2
Water permeability (Small) ≤ 0,1 kg/m ² ·h _{0,5}	W3
Covering of cracks	Not tested
Carbon dioxide permeability	Not tested

Code mark: PN-EN 1062-1 G3 E2 S1 V2 W3 - -

CLASSIFICATION ACCORDING TO PN-EN 1504-2: 2006

Water absorption W [kg/m ² H _{0,5}] according to PN-EN 1062-3: 2008	W<0,1
Impact resistance [Nm] according to PN-EN ISO 6272-2: 2011	Class II ≥ 10
Fatigue load [N] according to PN-EN 1542: 2000	1400
Adhesion [N/mm ²] ≥ 0.8 according to PN-EN 1542: 2000	0,8
Damage type according to PN-EN 1542: 2000	A
Abrasion resistance (load 1000g / number of cycles 1000) [mg] according to PN-EN ISO 5470-1: 2017-02, weight loss in [mg]	0,27
Improvement of wear resistance (load 1000 g / number of cycles 1000) [%], according to PN-EN ISO 5470-1: 2017-02	≥30

INSULATION PROPERTIES

PSC-250T ECE - ELASTIC has a reflection factor value (TSR) of 92 ± 1% and thermal conductivity of 0,0324 W/mK. Traditional insulation paints just absorb sunlight, their formula slowing thermal exchange. In contact with PSC-250T ECE - ELASTIC, the majority of sunlight energy is reflected back from the surface, the rest absorbed by the coating or removed as infrared rays.

SURFACE PREPARATION

All surfaces must be clean and free of efflorescence, dust, dirt, oil and grease. For cleaning metal surfaces, it is advised to use a wire brush or sandpaper. All rust must be removed from metal surfaces. Smooth surfaces must be mechanically roughened. In case of roofs it is advised to apply washing by water under pressure or sandblasting.

COLORS

The standard color is white. Other shades can be prepared on request using water-soluble dyes (eg Jotun, Hempel, Nippon).

NOTE: We recommend using light shades, darker colors have lower reflection of sunlight.

CONTENT OF VOLATILE ORGANIC SUBSTANCES

less than 10 g/l

CONSUMPTION OF PSC MATERIAL ON 1 m²

(one layer on all applicable surfaces with ideally level surface)

At a thickness of 0,15 mm: 0,18 liters per 1 m²

At a thickness of 0,20 mm: 0,24 liters per 1 m²

At a thickness of 0,25 mm: 0,30 liters per 1 m²

TIME OF EXCLUSION

Time before applying PSC-250T/ECE-ELASTIC: min. 1,5 hours according to temperature and relative humidity (see Manufacturer's instruction + Application manual - drying chart). After this time, no dust is poured onto the paint and the coating does not flow at increased humidity. Do not apply the product in case of rain or if the rain may start before the paint dries sufficiently.

WARNING: In all cases, the paint cannot be applied on a wet surface.

MIXING

PSC 250T ECE-ELASTIC is diluted with water before use. Dilute only the amount of product you use. The water used for dilution should not exceed 0.2l per 10 liters pack. Mix the diluted mixture with a mixer at low speed (up to 150 rpm) for 3-5 minutes in mechanical mixers and 5-7 minutes with manual mixing. For detailed information please consult Manufacturer's instruction + Application manual.

APPLICATION EQUIPMENT

Recommended equipment: roller brushes or spraying machines. Brush can be used on very small areas. When applying the product with a brush, it is necessary to apply three cross layers to ensure adequate protection.

APPLICATION PROCEDURES

We recommend using the GRACO RTX 5500 for the application of structured surfaces, and GRACO MARK V or GRACO MARK VII (see manufacturer's specifications) for smooth surface applications.

PACKAGING

Plastic buckets 18 liters (5,3 gallons) or plastic buckets 10 liters.

ADDITIONAL TRANSPORT WEIGHT

Net weight per liter: 0,9 ± 0,05 kg

Plastic bucket 18 liters (5.3 gallons): 16,2 kg

Bucket size: 34 cm width x 32 cm height

STORAGE

- in original and properly sealed containers, in temperature between +5 °C and +25°C
- in sealed rooms, away from heat sources.
- The product is water-dilutable and will be destroyed in sub-zero temperatures.

SHELF LIFE OF PSC IN PACKAGING

12 months from date of packaging (protect from freezing and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water-soluble)

PRODUCT CODE

PSC 250T ECE - ELASTIC

Batch number: see package

WARRANTY / Protection time

1 year / 25 years

EXCLUSIVE REPLACEMENT

Exclusive compensation for goods that does not correspond to the warranty provided is the replacement of the product. The manufacturer is not responsible for any damages, including (but not limited to) wage costs.

LEGAL DOCUMENTS

PN-EN 1062-1: 2005 Paints and varnishes. Varnish products and coating systems.

PN-EN 1504-2: 2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and conformity assessment. Part 2: Concrete surface protection systems.

Declaration of Performance, CE

PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC

Technical Data Sheet

PSC- 250T/ECI/BS – INSIDE / BACTERIOSTATIC

Acrylic based thermal reflective and bacteriostatic paint designed for building inner walls.

DOCUMENT

PSC-TDS-BS-INSIDE EN

VERSION

1.0

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www.pscoat.international



PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC

PSC- 250T/ECI/BS – INSIDE / BACTERIOSTATIC

| *Acrylic based thermal reflective and bacteriostatic paint designed for building inner walls.*

Applying PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC provides benefits such as:

- reduction of heating/air-conditioning costs (by up to 50%)
- decrease/increase of ambient temperature
- pollution reduction in urban areas
- easy recycling
- insulation space savings due to the use of nanotechnology
- protection from corrosion
- protection from biological corrosion
- thermal insulation

GENERAL DESCRIPTION

PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC is a highly efficient thermal insulation and protection material for buildings inner walls. It is completely washable and resistant to dirt and diluted chemicals. The acrylic resin-based paint uses the microspheres technology (Swiss formula). Each cell is sealed with a vacuum. Thermal resistance and insulating properties create a synergic effect in reducing surface heat transfer. The coating is also air permeable, waterproof and has an excellent surface adhesion. High solar reflectivity and low conductivity create a perfect insulation effect. The paint is available in many colour shades. Because of its reflective properties, it is advised to choose a light one (red, orange, yellow, green, blue, violet).

POSSIBLE APPLICATIONS

The paint can be used on mineral-based surfaces: cement, lime-cement, gypsum and concrete plasters etc. It is both energy efficient and elastic. It is nontoxic, environmentally friendly and form a single membrane that overlaps the hairline cracks. The paint is fully washable and resistant to dirt and chemicals. It is suitable for use in climatic conditions where energy costs play an important role in maintaining a favourable temperature environment. The material is resistant to corrosion and water condensation.

CLASSIFICATION ACCORDING TO PN-EN 1062-1: 2005

Classification according to chemical properties	Acrylic based resin aqueous dispersion
Classification according to the state of dissolution	Water-dilutable
Gloss 85° ≤ 10 (Matt)	G3
Coating thickness > 50 ≤ 100	E2
Grain volume (fine-grained). Marked according to PN-EN ISO 1524:2002 (EN 21524) equals: up to 100 µm	S1
Water vapour diffusion (Medium) ≤ 150 > 15 g/m ² ·d	V2
Water permeability (Small) ≤ 0,1 kg/m ² ·h _{0,5}	W3
Covering of cracks	Not tested
Carbon dioxide permeability	Not tested

Code mark: PN-EN 1062-1 G3 E2 S1 V2 W3 - -

CLASSIFICATION ACCORDING TO PN-EN 1504-2: 2006

Water absorption W [kg/m ² H _{0,5}] according to PN-EN 1062-3: 2008	W<0,1
Impact resistance [Nm] according to PN-EN ISO 6272-2: 2011	Class I ≥ 4
Fatigue load [N] according to PN-EN 1542: 2000	1400
Adhesion [N/mm ²] ≥ 0.8 according to PN-EN 1542: 2000	0,8
Damage type according to PN-EN 1542: 2000	A
Abrasion resistance (load 1000g / number of cycles 1000) [mg] according to PN-EN ISO 5470-1: 2017-02, weight loss in [mg]	0,90
Improvement of wear resistance (load 1000 g / number of cycles 1000) [%], according to PN-EN ISO 5470-1: 2017-02	≥30

INSULATION PROPERTIES

PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC has a reflection factor value (TSR) of 92 ± 1% and thermal conductivity of 0,0324 W/mK. Traditional insulation paints just absorb sunlight, their formula slowing thermal exchange. In contact with PSC 250T/ECI - INTERIOR, most of the sunlight energy is reflected back from the surface, the rest absorbed by the coating or removed as infrared rays.

SURFACE PREPARATION

All surfaces must be clean and free of efflorescence (dust, dirt, oil and grease). In case of a facade renewal, it is advised to perform a detailed surface check and:

- remove old coating and all loose elements
- clean all dirty/oily spots

- in case of severe/permanent smudges apply sandblasting
- in case of fungal infection apply the appropriate agents
- level all roughness using cement or lime-cement based plasters
- before applying paint, apply the universal deep-penetration primer or PSC 250T/ECI – INTERIOR, watered down 1:1.

COLORS

The standard colour is white. Other shades can be prepared on request using water-soluble dyes (e.g., Jotun, Hempel, Nippon).

NOTE: We recommend using light shades, darker colors have lower reflection of sunlight.

CONTENT OF VOLATILE ORGANIC SUBSTANCES

less than 10 g/l

CONSUMPTION OF PSC MATERIAL ON 1 m²

(one layer on all applicable surfaces with ideally level surface)

At a thickness of 0,15 mm: 0,18 liters per 1 m²

At a thickness of 0,20 mm: 0,24 liters per 1 m²

At a thickness of 0,25 mm: 0,30 liters per 1 m²

TIME OF EXCLUSION

Time before applying PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC: min. 1,5 hours according to temperature and relative humidity (see Manufacturer's instruction + Application manual - drying chart). Do not apply the product in case of rain or if the rain may start before the paint dries sufficiently. The ambient temperature and the temperature of the surface should be between +5°C and +30°C. Air humidity should be lower than 80%.

WARNING: In all cases, the paint cannot be applied on a wet surface.

MIXING

PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC is diluted with water before use. Dilute only the amount of product you use. The water used for dilution should not exceed 0.3l per pack. Mix the diluted mixture with a mixer at low speed (up to 150 rpm) for 3-5 minutes in mechanical mixers and 5-7 minutes with manual mixing. For detailed information please consult Manufacturer's instruction + Application manual.

APPLICATION EQUIPMENT

Recommended equipment: roller brushes or spraying machines. Brush can be used on very small areas. When applying the product with a brush, it is necessary to apply three cross layers to ensure adequate protection.

APPLICATION PROCEDURES

We recommend using the GRACO RTX 5500 for the application of structured surfaces, and GRACO MARK V or GRACO MARK VII (see manufacturer's specifications) for smooth surface applications.

PACKAGING

Plastic buckets of 18 liters (5,3 gallons) or other according to the buyer's request.

ADDITIONAL TRANSPORT WEIGHT

Net weight per liter: 0.90±0,05 kg

Plastic bucket 18 liters (5.3 gallons): 16,2kg

Bucket size: 34 cm width x 32 cm height

STORAGE

- in original and properly sealed containers, in temperature between +5 oC and +25oC
- in sealed rooms, away from heat sources.
- The product is water-dilutable and will be destroyed in sub-zero temperatures.

SHELF LIFE OF PSC IN PACKAGING

12 months from date of packaging (protect from freezing and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water-soluble)

PRODUCT CODE

PSC 250T/ECI/BS – INSIDE / BACTERIOSTATIC

Batch number: see package

WARRANTY / Protection time

1 year / 25 years

EXCLUSIVE REPLACEMENT

Exclusive compensation for goods that does not correspond to the warranty provided is the replacement of the product. The manufacturer is not responsible for any damages, including (but not limited to) wage costs.

LEGAL DOCUMENTS

PN-EN 1062-1: 2005 Paints and varnishes. Varnish products and coating systems.

PN-EN 1504-2: 2006 Products and systems for the protection and repair of concrete structures. Definitions, requirements, quality control and conformity assessment. Part 2: Concrete surface protection systems.

Declaration of Performance, CE

PSC 250T/BASIC A

Technical Data Sheet

Power Smart Coat 250 Temperation/BASIC A

Primer material designed for heat insulation and protection of metal surfaces from corrosion.

DOCUMENT

PSC-TDS-BASIC-A EN

VERSION

1.0

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58239 Schwerte · Germany
www.pscoat.international



PSC 250T/BASIC A

Power Smart Coat 250 Temperation/BASIC A

| *Primer material designed for heat insulation and protection of metal surfaces from corrosion.*

Applying PSC 250T/BASIC A provides benefits such as:

- Anti-corrosion properties.
- Convenient usage, allowing for both manual applications using brush and mechanical spraying. This solution enables insulating of complex elements, such as: detailed designer elevation, technical installation etc.
- Can be diluted using water, the coating is environmentally friendly.
- It is universal in application, allowing for usage on many surfaces, including metal.

APPLICATION

PSC 250T/BASIC A is designed to be used as primer for the main layer of PSC 250T. The material provides an excellent protection from corrosion, water condensation and C4/C5 chemical environment.

TECHNICAL DATA

Classification according to PN-EN 15824: 2010

No.	Parameter	Method of Examination	Declared Value
1	Water vapor penetration: – Vapor penetration factor V [g/m ² d]	PN-EN ISO 7783:2011	20±0,5
2	Water absorption [m ² ·h ^{0,5}]	PN-EN 1062-3:2008	0,01±0,2
3	Adhesion to surface [MPa]	PN-EN 1542-3:2000	≥1,0
4	Thermal durability [MPa] – after 20 cycles of freezing and refreezing	PN-EN 13687-3:2002	2,0±0,8
5	Adhesion [MPa] – to metal – to concrete	PN-EN 1542-3:2000	≥0,8 ≥1,0

Supplementary parameters

No.	Parameters	Method of Examination	Declared Value
1	SBI examination for fire reaction	PN-EN ISO 13832:2010	B-s1, d 0
2	Classification due to fire reaction: – flame range above 150 mm above flame application point during 60 s – appearing of flaming droplets/solid wastes causing the ignition of filtering paper.	PN-EN 13501-1+A1:2010 – $F_s \leq 150$ mm during 60 s – lack of flaming droplets/solid wastes causing the ignition of filtering paper.	– match – match
3	Ratio of heat conduction [W/mK]	PN-EN 1745:2004; PN-EN 1745:2004/Apl:2006	0,0324
4	Density volume [g/cm ³]		Approximately 0,8
5	Efficiency [kg/m ²] with coating thickness of 1 mm		Approximately 0,15
6	pH		8-9

SURFACE PREPARATION

PSC can be applied directly to corroded surfaces, as long as they are in a solid condition. All surfaces must be cleared of dust, dirt, oil and loose particles. This will prevent the coating from detaching along with loose elements. The prepared surface must be dry (no water condensation) and any grease needs to be removed using a suitable formula. In case of smooth surfaces, it is recommended to matt them mechanically. After completing this procedure, the surface must be cleared of any dust, cleaned and left to dry. In order to level gravelly surfaces and remove loose particles, it is recommended to use pressure cleaners.

PREPARATION OF THE PRIMER BEFORE APPLICATION

Before using the product, it is necessary to consult the manual. The primer can be diluted with water (dilute only the amount of paint, needed for immediate coating). Amount of used water vary, depending on the temperature of the surface and environment. The maximal input can be 3% of the coating mass.

During a prolonged storing, the coating can delaminate, but it is a natural process. In order to be restored to its prime condition, the coating needs to be stirred using a low-speed mixer (up to 150 turns per minute), until it regains a consistent density. Usage of higher mixing speed can result in damaging of microspheres and, in turn, loss of the insulating properties.

The estimated mixing time is about 1-5 minutes while using a mechanical mixer, or 5-7 minutes if done manually. During the work session, the material needs to be mixed once per every 10 minutes.

APPLICATION OF THE COATING

It is advised to apply the coating using brush or painting aggregate, each layer not exceeding 0,1 mm. While using aggregate, it is best to follow the producer's guidelines. On smaller or narrow spots, it is advised to use a long-bristle brush, while large areas are best painted using aggregate with maximal pressure from 50 to 60 bars. Not all devices are compatible with the PSC coating. We recommend using devices manufactured by the GRACO company, since they fulfil all necessary requirements. It is suggested to avoid working with the coating during rainy weather. After completing a work session, all tools need to be washed with water. The estimated drying time of one 0,1 mm layer ranges from 0,5 up to 24 hours, depending on temperature and air humidity. The

next layer can be applied only after the last painted one becomes dry. The minimal temperature for the coating to become dry is +5° C.

STORAGE

PSC 250T/BASIC A needs to be stored in a undamaged container, in temperature between +5°C and +25°C. Protected from sun exposure. Transportation can be conducted in at least +5°C temperature. Containers must be secured in order to avoid freezing and damaging of the content during transportation.

REMARKS

The described product is not classified as dangerous, information given below is only a recommendation.

Keep away from children, do not eat, drink or smoke during the work session. Wear personal protection gear, such as boiler suite, gloves and goggles. After contact with eyes, wash the irritated area with water and remove contact lenses. If the symptoms last longer, immediately contact the doctor. In case of accidental eating of the coating, immediately wash mouth and contact the doctor. In case of contact with skin, wash the irritated area thoroughly with water and soap, then apply a cosmetic cream. If there is a need for medical help, show the sheet or label to the doctor. The coating is not classified as dangerous for environment and is not flammable in liquid form.

VALIDITY DATE

12 months starting from the production date placed on the package.

LEGAL DOCUMENTS

PN-EN 15824:2010 - Requirements regarding outer and inner plasters on organic binders.

Declaration of Conformity.

PSC 250T/HP

Technical Data Sheet

Power Smart Coat 250 Temperation / High Pressure

The multi-compound material designed for heat insulation and protection of metal surfaces from corrosion.

DOCUMENT

PSC-TDS-HP EN

VERSION

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PSC 250T/HP

Power Smart Coat 250 Temperation / High Pressure

The multi-compound material designed for heat insulation and protection of metal surfaces from corrosion.

Applying PSC 250T/HP provides benefits such as:

- thermal insulation
- anti-corrosion properties
- convenient usage, allowing for both manual applications using brush and mechanical spraying. This solution enables insulating of complex elements, such as: detailed designer elevation, technical installation etc.
- low labour costs, comparing to traditional installations.
- low density of the coating, which does not add additional weight to installations.
- even and continued structure that ensures the same ratio of insulation of the whole surface.
- due to its water dilution ability, the coating is environmentally friendly.
- it is universal in application, allowing for usage on many surfaces, including metal.

APPLICATION

PSC 250T/HP is highly effective for insulating hot and cold-water pipelines and conditioning installations. It also protects from frost exposure and on-surface condensation of vapour. The product is durable and has a high adhesion to metals, without causing corrosion. It is non-toxic and does not create dust during weather changes. PSC 250T/HP is applied on both outer and inner walls and surfaces of pipelines, buildings, boilers, chimneys and industrial equipment. It provides high adhesion to all known materials, acts as a temporarily waterproof and vapor permeable barrier. Due to its ecological and safety features, the product can be applied both outside and indoors. PSC 250T/HP reflects up to (TSR) $92 \pm 1\%$ of infrared sun radiation. It can be coloured to any shade or it can be applied with water based dispersion paint.

TECHNICAL DATA

Classification according to PN-EN 15824:2010

No.	Parameter	Method of Examination	Declared Value
1	Water vapor penetration: – Vapor penetration factor V [g/m ² d]	PN-EN ISO 7783:2011	20±0,5
2	Water absorption [m ² ·h ^{0,5}]	PN-EN 1062-3:2008	0,01±0,2
3	Adhesion to surface [MPa]	PN-EN 1542-3:2000	≥1,0
4	Thermal durability [MPa] – after 20 cycles of freezing and refreezing	PN-EN 13687-3:2002	2,0±0,8
5	Adhesion [MPa] – to metal – to concrete	PN-EN 1542-3:2000	≥0,8 ≥1,0

Supplementary parameters

No.	Parameter	Method of Examination	Declared Value
1	SBI examination for fire reaction	PN-EN ISO 13832:2010	B-s1, d 0
2	Classification due to fire reaction: – flame range above 150 mm above flame application point during 60 s – appearing of flaming droplets/solid wastes causing the ignition of filtering paper.	PN-EN 13501-1+A1:2010 – $F_s \leq 150$ mm during 60 s – lack of flaming droplets/solid wastes causing the ignition of filtering paper.	– match – match
3	Ratio of heat conduction [W/mK]	PN-EN 1745:2004; PN-EN 1745:2004/Apl:2006	0,0324
4	Density volume [g/cm ³]		Approximately 0,6
5	Efficiency [kg/m ²] with coating thickness of 1 mm		Approximately 0,7
6	pH		8-9

SURFACE PREPARATION

PSC can be applied directly to corroded surfaces, if they are in a solid condition. All surfaces must be cleared of dust, dirt, oil and loose particles. This will prevent the coating from detaching along with loose elements. The prepared surface must be dry (no water condensation) and any grease needs to be removed using a suitable formula. In case of smooth surfaces, it is recommended to matt them mechanically. After completing this procedure, the surface must be cleared of any dust, cleaned and left to dry. In order to level gravelly surfaces and remove loose particles, it is recommended to use pressure cleaners.

PREPARATION OF THE COATING BEFORE APPLICATION

Before using the product, it is necessary to consult the manual. The coating can be diluted with water (dilute only the amount of paint, needed for immediate coating). Amount of used water vary, depending on the temperature of the surface and environment. The maximal input can be 3% of the coating mass.

During a prolonged storing, the coating can delaminate, but it is a natural process. In order to be restored to its prime condition, the coating needs to be stirred using a low-speed mixer (up to 150 turns per minute), until it regains a consistent density. Usage of higher mixing speed can result in damaging of microspheres and, in turn, loss of the insulating properties. The estimated mixing time is about 1-5 minutes while using a mechanical mixer, or 5-7 minutes if done manually. During the work session, the material needs to be mixed once per every 10 minutes.

APPLICATION OF THE COATING

It is advised to apply the coating using brush or painting aggregate, each layer not exceeding 0,5 mm. While using aggregate, it is best to follow the producer's guidelines. On smaller or narrow spots, it is advised to use a long-bristle brush, while large areas are best painted using aggregate with maximal pressure from 50 to 120 bars. Not all devices are compatible with the PSC coating. We recommend using devices manufactured by the GRACO company, since they fulfil all necessary requirements. It is suggested to avoid working with the coating during rainy weather. After completing a work session, all tools need to be washed with water.

The estimated drying time of one 0,5 mm layer ranges from 2 up to 48 hours, depending on temperature and air humidity. The next layer can be applied only after the last painted one becomes dry. The minimal temperature for

the coating to become dry is +5° C. It needs to be underlined that applying layers thicker than 0,5 mm is strictly prohibited, as it can cause the whole coating to delaminate. If applied on a surface with temperature of at least 80° C, the coating tends to dry quickly, in such case it is also advised to prime the surface with a diluted product (amount of added water about 40-50%). The estimated time of drying of the primed surface is about 1 hour.

STORAGE

- PSC needs to be stored in a undamaged container, in temperature between +5 °C and +25° C.
- Protected from sun exposure.
- Transportation can be conducted in at least +5°C temperature.
- Containers must be secured in order to avoid freezing and damaging of the content during transportation.

REMARKS

The described product is not classified as dangerous, information given below is only a recommendation.

Keep away from children, do not eat, drink or smoke during the work session. Wear personal protection gear, such as boiler suite, gloves and goggles. After contact with eyes, wash the irritated area with water and remove contact lenses. If the symptoms last longer, immediately contact the doctor. In case of accidental eating of the coating, immediately wash mouth and contact the doctor. In case of contact with skin, wash the irritated area thoroughly with water and soap, then apply a cosmetic cream. If there is a need for medical help, show the sheet or label to the doctor. The coating is not classified as dangerous for environment and is not flammable in liquid form.

VALIDITY DATE

12 months starting from the date placed on package.

LEGAL DOCUMENTS

PN-EN 15824:2010 - Requirements regarding outer and inner plasters on organic binders.

Declaration of Conformity.

PSC 250T/HP+

Technical Data Sheet

Power Smart Coat - 250 Temperation / High Pressure plus

Multi-component material for thermal insulation and corrosion protection of metal surfaces.

DOCUMENT

PSC-TDS-HP-PLUS EN

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Schützenstraße 81a
58239 Schwerte · Germany
www.pscoat.international



PSC 250T/HP+

Power Smart Coat - 250 Temperation / High Pressure plus

| *Multi-component material for thermal insulation and corrosion protection of metal surfaces.*

Main benefits:

- Thermal insulation and thermo-reflective insulation,
- Anti-corrosive properties,
- Easy application, thanks to the possibility to apply the coating both manually by brush or mechanically by spraying. This makes it possible to insulate complex components, technical installations, etc,
- Low labour costs, compared to traditional insulation,
- Low-density coating, does not put additional strain on insulated structures,
- Uniform and uninterrupted structure, which eliminates thermal bridges and ensures insulation performance with the same values over the entire surface,
- Water-soluble, the coating is ecological and friendly to humans and the environment,
- Versatility, so that different surfaces can be insulated.

APPLICATION

PSC 250T/HP+ is very effective for insulating hot and cold water pipelines and air conditioning systems. It is an effective protection against frost penetration and surface condensation. The coating is stable and has high adhesion to metals without causing corrosion. In case of atmospheric changes, it is dust-free and non-toxic. PSC 250T/HP+ is applied to external and internal walls of equipment structures, pipelines, boilers, chimneys and industrial equipment. It provides high adhesion to all known materials, acts as a temporary waterproof and non-vapour permeable barrier. It is environmentally friendly and safe for use outdoors and indoors. PSC 250T/HP+ reflects up to (TSR) $92 \pm 1\%$ of infrared solar radiation. It can be tinted directly into any colour or a water-based dispersion paint can be applied to it.

TECHNICAL DATA

According to EN 15824:2010

No.	Parameter	Test Method	Declared Value
1	Water vapour permeability: – water vapour transmission rate V [g/m ² d]	PN-EN ISO 7783:2011	20±0,5
2	Water absorption [m ² ·h ^{0,5}]	PN-EN 1062-3:2008	0,01±0,2
3	Adhesion to substrate [MPa]	PN-EN 1542-3:2000	≥1,0
4	Thermal stability [MPa] – after 20 freeze-thaw cycles	PN-EN 13687-3:2002	2,0±0,8
5	Adhesion [MPa] – for metal	PN-EN 1542-3:2000	≥0,8

Supplementary parameters

No.	Parameter	Test Method	Declared Value
1	SBI test for reaction to fire	PN-EN ISO 13832:2010	B-s1, d 0
2	Classification in terms of reaction to fire: – flame spread of more than 150 mm above the point of flame application in 60 s – presence of flaming droplets/solid waste causing ignition of filter paper	PN-EN 13501-1+A1:2010 – $F_s \leq 150$ mm in 60 s – no burning droplets/solid waste causing ignition of the filter material	– compliance – compliance
3	Thermal conductivity coefficient [W/mK]	PN-EN 1745:2004; PN-EN 1745:2004/Apl:2006	0,0324
4	Volumetric density [g/cm ³]		Approximately 0.6
5	Spreading rate [kg/m ²] at coating thickness 1 mm		Approx. 0.7
6	pH		8-9

SUBSTRATE PREPARATION

PSC 250T/HP+ can be applied directly to corroded but stable surfaces. The substrate must be cleaned of dirt, dust, old coatings and loose parts such as flaking rust, thoroughly enough that they do not detach with the applied coating. Cleaning metal substrates of coarse rust is recommended using a wire brush or sanding disc. The substrate must be dry (no condensation). Oily and greasy dirt must be removed with a suitable preparation. Smooth surfaces are recommended to be mechanically matted. After mechanical treatment, the surface should be thoroughly cleaned of dust with a blower, brush or washed with water and allowed to dry completely. A pressure washer can be used to level the rough substrate and remove loose parts.

PREPARING THE COATING FOR APPLICATION

Read the instructions before applying the material. If necessary, the coating can be diluted with water (only dilute the amount of paint that will be needed for the job). The amount of water depends on the temperature of the substrate to which the coating is applied and also on the ambient temperature.

The coating may delaminate during prolonged storage. This is a natural symptom and, using a slow speed mixer (drill with agitator), the coating should be mixed at a maximum stirring speed of up to 150 rpm until a uniform consistency is achieved. Higher speeds may fragment and damage the microspheres and lead to a significant loss of thermal insulation properties of the material. Approximate mixing time: mechanical stirring 1-5 minutes, mixing by hand 7-10 minutes. Stir the material every 10 minutes.

WORKING TEMPERATURES

PSC 250T/HP+ can work on equipment with surface temperatures from -200 °C to +180 °C.

Up to 30 minutes at +200 °C.

Up to 5 minutes at +250 °C.

COATING APPLICATION

It is recommended to apply the coating with a brush or paint unit, one coat at a time, up to 0,5 mm thick. When using an aggregate, follow the manufacturer's recommendations. On smaller or hard-to-reach areas, it is

recommended to apply the coating with a long bristle brush. On larger surfaces, it is recommended to apply the coating with a sprayer, at a maximum pressure of 50 to 120 bar. Not all units are suitable for the application of PSC coating. We recommend aggregates from a manufacturer that ensure proper application parameters, such as GRACO equipment. Avoid working with the coating in rainy weather. Rinse tools with water after use.

Total drying time of one coat of 0,5 mm takes from 2 to 48 hours depending on temperature and air humidity. Another coat can be applied after the previous coat has dried. The ambient temperature during drying must be at least +5 °C. Coating in one layer thicker than 0,5 mm is not allowed. This may result in delamination of the coating. When applying the coating to a surface with a temperature above +80 °C, the material cures very quickly. In this case, it is recommended to prime the substrate with diluted material (amount of water added 40-50%). The drying time of the primer should be at least 1 hour.

STORAGE

Store PSC in undamaged packaging at a temperature between +5 °C and +25 °C, protected from sunlight. Transport may take place at temperatures of at least +5 °C. Packaging must be protected in an appropriate manner to prevent freezing and damage during transport.

NOTES

The product is not a hazardous product, the supplementary information given below are recommendations only.

Keep away from children, do not eat, drink or smoke when using the product. Use personal protective equipment when working. Protective clothing, gloves and goggles recommended. If eye contamination occurs, rinse eyes carefully with water for a few minutes, remove contact lenses and continue rinsing. If eye irritation persists seek medical advice/treatment. If the coating is ingested, rinse mouth immediately and seek medical advice/treatment. Wash contaminated skin with soap and water, apply regenerating cream. If medical attention is required, show the product packaging or label to the doctor. The coating is not classified as a dangerous product for the environment and is non-flammable in the liquid state.

SHELF LIFE

12 months from the date of manufacture indicated on the packaging.

FORMAL AND LEGAL DOCUMENTS

EN 15824:2010 - Requirements for external and internal plasters on organic binders.

Declaration of Performance.

PSC 555T HP

Technical Data Sheet

Power Smart Coat 555 Tempering/Effective Coating

Silicate coating with thermo-reflective properties for the coating of surfaces with continuous operating temperatures up to 555 °C.

DOCUMENT

PSC-TDS-555T EN

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PSC 555T HP

Power Smart Coat 555 Tempering/Effective Coating

Silicate coating with thermo-reflective properties for the coating of surfaces with continuous operating temperatures up to 555 °C.

GENERAL DATA

PSC 555T HP is a thermo-reflective silicone coating designed for coating of surfaces with continuous operating temperatures up to 555 °C. It is non-toxic, environmentally friendly and forms a protective membrane. It is resistant to dirt and diluted chemicals. The silicate coating is additionally filled with microspheres with thermal insulation and thermo-reflective properties.

APPLICATION

PSC 555T HP is designed for coating new and old metal surfaces (enclosures) with continuous operating temperatures up to 550 °C. Can also be applied to concrete and ceramic surfaces.

TECHNICAL DATA

Classification according to EN 1062-1: 2005

Designation according to the chemical nature of the film-forming substance	Silicone-silicate
Identification according to dissolution state	Water-based
Colour	White and/or beige
pH	Approx. 9
Density by volume	1,0±5%
Recommended maximum film thickness	Up to 3 mm applied in three layers

SURFACE PREPARATION

All surfaces must be clean and free from dirt (dust, dirt, oil and grease) and rust. Any loose non-bonded coats should be removed. To clean the metal, use a wire brush, sandpaper or sandblasting. Smooth surfaces should be mechanically roughened. For roofs, washing the surface with pressurised water or sandblasting is recommended.

CONTENT OF VOLATILE ORGANIC SUBSTANCES (VOC)

Less than 10 g/l

USE OF PSC MATERIAL PER 1 m²

(one coat on all suitable surfaces with a perfect horizontal surface)

At 0,15 mm thickness: 0,18 litres per 1 m²

At 0,20 mm thickness: 0,24 litres per 1 m²

At 0,25 mm thickness: 0,30 litres per 1 m²

APPLICATION

Apply to surfaces at an ambient temperature of -5 to 30 °C in a single coat of up to 1 mm. Time before second coat application: min. 6 hours depending on temperature and relative humidity. Do not apply the product in case of rain.

WARNING: In any case, the application of the next layer must not be carried out on a damp surface!

MIXING

PSC 555T HP is a water-based product. Water can be added in an amount of up to 10% by weight.

APPLICATION EQUIPMENT

Recommended equipment: metal trowel, roller or spray. A brush can be used on very small areas. When applying the product with a brush, three cross coats should be applied to ensure adequate protection.

PACKAGING

Plastic bucket - capacity 10 litres

TRANSPORT WEIGHT

Net weight [kg/liter]: 0,95± 0,5%

STORAGE

Store:

- in original and tightly closed packaging, at temperatures between +5 °C and +25 °C
- indoors, away from heat sources

The product is water-based and will deteriorate at negative temperatures.

SHELF LIFE IN PACKAGING

12 months from date of packaging (protect from frost and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water soluble)

PRODUCT CODE

Production lot: see package

WARRANTY / Protection time

12 months / 25 years

EXCLUSIVE REPLACEMENT

The sole compensation for goods that do not comply with the guarantee is the replacement of the product. The manufacturer is not liable for any damages, including (but not limited to) wage costs.

NOTE: Further information can be found in the instructions.

PSC 1200T HP

Technical Data Sheet

Power Smart Coat 1200 Tempering/Effective Covering

Silicate coating with thermal insulation properties for the coating of surfaces with an operating temperature of up to 1200 °C.

DOCUMENT

PSC-TDS-1200T EN

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PSC 1200T HP

Power Smart Coat 1200 Tempering/Effective Covering

Silicate coating with thermal insulation properties for the coating of surfaces with an operating temperature of up to 1200 °C.

GENERAL DATA

PSC 1200T HP is a silicate coating with silicone modifiers with thermal insulating properties for coating surfaces with continuous operating temperatures up to 1200 °C. It is non-toxic, environmentally friendly and forms a single membrane. It is fully washable and resistant to dirt and diluted chemicals. The silicate coating is additionally filled with microspheres of thermal insulation properties.

APPLICATION

The paint PSC 1200T HP is intended for coating new and old metal surfaces (enclosures) with a continuous operating temperature up to 1200 °C. Can also be applied on concrete and ceramic surfaces.

TECHNICAL DATA

Classification according to EN 1062-1: 2005

Designation according to the chemical nature of the film-forming substance	Silicate-silicone
Identification according to dissolution state	Water-based
Colour	Beige as a base
pH	Approx. 9
Density by volume	0,95±5%
Recommended maximum thickness of coating	Up to 5 mm applied in five layers

SURFACE PREPARATION

All surfaces must be clean and free from dirt (dust, dirt, oil and grease) and rust. Any loose non-bonded layers must be removed. A wire brush, sandpaper or sandblasting is recommended for cleaning metal. Smooth surfaces should be mechanically roughened. For roofs, it is advisable to wash the surface with pressurised water or sandblasting.

CONTENT OF VOLATILE ORGANIC SUBSTANCES (VOC)

Less than 10 g/l

USE OF PSC MATERIAL PER 1 m²

(one coat on all suitable surfaces with a perfect horizontal surface)

At 0,15 mm thickness: 0,18 litres per 1 m²

At 0,20 mm thickness: 0,24 litres per 1 m²

At 0,25 mm thickness: 0,30 litres per 1 m²

APPLICATION

Apply to surfaces at an ambient temperature of -5 to 30 °C in a single layer of up to 1 mm. Time before second coat: min. 8 hours depending on temperature and relative humidity. Do not apply the product in the event of rain.

WARNING: In any case, the application of the next layer must not be carried out on a damp surface!

MIXING

PSC 1200T HP is a water-based product. Water can be added up to 10% by weight.

APPLICATION EQUIPMENT

Recommended equipment: metal trowel, roller or spray. A brush can be used on very small areas. When applying the product with a brush, three cross coats should be applied to ensure adequate protection.

PACKAGING

Plastic bucket - capacity 10 litres

TRANSPORT WEIGHT

Net weight [kg/liter]: 0,95± 0,5%

STORAGE

Storage:

- in original sealed packaging at temperatures between +5 °C and +25 °C
- indoors, away from heat sources

The product is water-based and will deteriorate at negative temperatures.

SHELF LIFE IN PACKAGING

12 months from date of packaging (protect from frost and direct sunlight)

IGNITION TEMPERATURE

Non-flammable (water soluble)

PRODUCT CODE

Production lot: see package

WARRANTY / Protection time

12 months / 25 years

EXCLUSIVE REPLACEMENT

The exclusive remedy for goods that do not comply with the guarantee is the replacement of the product. The manufacturer is not liable for any damages, including (but not limited to) wage costs.

NOTE: Further information can be found in the instructions.