

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.