



KÖSTER PSM 2S+

Technical Data Sheet C 380 010

Issued: 2025-06-30

One-component, chemically and thermally resistant coating for mineral surfaces in power plant construction

Features

KÖSTER PSM 2S + is a transparent, one-component, solvent-free sealant for mineral surfaces, which is characterized by a particularly high thermal and chemical resistance. Due to its low viscosity and coverage it seals the surface of mineral substrates. The material hardens through ambient moisture.

In combination with KÖSTER PSM, thermally and chemically contaminated surfaces of chimneys can be protected against acidic condensates.

Technical Data

Working temperature	+10 °C bis +30 °C
Density (+ 20 °C)	ca. 1.15 g/cm ³
Viskosität (23 °C)	ca. 100 mPas

Fields of Application

On mineral surfaces such as concrete KÖSTER PSM 2S + reduces the absorption of moisture, dilute acids, and alkalis.

In combination with KÖSTER PSM it serves as protection of contaminated surfaces against thermally and chemically stressed surfaces.

Substrate

The surface must be clean, free from dust and oil, dry and free from laitance. Surfaces made from KÖSTER PSM can be directly sealed with KÖSTER PSM 2S + after 4 hours without further mechanical surface treatment.

For all other mineral surfaces, a mechanical surface preparation should be made by sandblasting or shot blasting and details and edges ground.

Application

The processing of KÖSTER PSM 2S+ is usually done in a single layer. For example on KÖSTER PSM, by rolling with a PE foam roller, brushing, or airless spraying. For substrates with high porosity such as concrete, a second layer is recommended, which should be done after a waiting period of 4 hours directly after the first layer.

KÖSTER PSM can be sealed with KÖSTER PSM 2S+ at the earliest 4 hours after applying KÖSTER PSM.

The container should be stirred at low speed (≤ 300 rpm) before processing. During and for at least 24 hours after processing, the substrate temperature must be above +10 °C. The temperature must be above the dew point by at least +3 °C during application and curing.

KÖSTER PSM 2S+ is a one-component sealer which hardens by contact with air. Prolonged storage time can therefore cause a skin to form on the material. This must be removed before stirring and processing. The functionality of the material is not adversely affected by skin formation.

Consumption

approx. 130 g/m²

Cleaning

Clean tools and equipment immediately after use with KÖSTER Universal Cleaner.

Packaging

C 380 010 10 kg jerrycan

Storage

In originally sealed containers and with exclusion of moisture the material can be stored for a minimum of 12 months. The storage temperature should be between +10 °C and +30 °C.

Safety

Wear protective gloves and safety goggles. Liquid polymers react to temperature fluctuations with viscosity and curing changes. The processing instructions and specifications of the technical data must therefore be strictly adhered to. Coating work should therefore always be carried out at falling or constant temperatures. Low temperatures cause a slower, high temperatures an accelerated hardening. Adhere to all local, state, and governmental safety regulations when processing the material.

Related products

KÖSTER PSM	Prod. code C 280 030
KÖSTER Universal Cleaner	Prod. code X 910 010

The information contained in this technical data sheet is based on the results of our research and on our practical experience in the field. All given test data are average values which have been obtained under defined conditions. The proper and thereby effective and successful application of our products is not subject to our control. The installer is responsible for the correct application under consideration of the specific conditions of the construction site and for the final results of the construction process. This may require adjustments to the recommendations given here for standard cases. Specifications made by our employees or representatives which exceed the specifications contained in this technical guideline require written confirmation. The valid standards for testing and installation, technical guidelines, and acknowledged rules of technology have to be adhered to at all times. The warranty can and is therefore only applied to the quality of our products within the scope of our terms and conditions, not however, for their effective and successful application. This guideline has been technically revised; all previous versions are invalid.