

POLICEMENT SR

ROUGH COATING BASED ON POLYURETHANE-CEMENT, APPLICABLE WITH A TROWEL



DESCRIPTION

POLICEMENT SR is a three-component coloured polyurethane-cement-based coating with a rough finish, which can be poured or trowelled on, and is particularly suitable for floors subject to medium-heavy loads and moderate mechanical and chemical stresses.

FIELDS OF APPLICATION

POLICEMENT SR is particularly suitable for:

- Warehouses;
- Food industries;
- Chemical plants;
- Pharmaceutical facilities;
- Laboratories and workshops;
- Cold storage rooms;
- Storage areas.

FEATURES AND BENEFITS

- Cures quickly even at relatively low temperatures;
- Excellent chemical resistance and abrasion resistance;
- Antibacterial properties;
- Good mechanical resistance;
- Available in antistatic and conductive versions;
- Matt finish;
- Temperature resistance from -20 to $+120^{\circ}\text{C}$;
- Can also be applied to fresh concrete (minimum 7 days).

PACKAGING

The product is available in the following packages:

Component A = 2.75 kg

Component B = 2.35 kg

Component C = 17.20 kg

CONSUMPTION

2 kg/m² per mm of thickness.

Thicknesses ranging from 4 to 6 mm can be produced.

CERTIFICATIONS

POLICEMENT SR complies with UNI EN 13813: materials for screeds (DoP n° 428).

ISO 9001 certified quality management system (Certificate No. IT.17.0227.01.QMS).

APSE S.r.l. is an active member of CONPAVIPER.



SUBSTRATE PREPARATION

The concrete substrate to be treated must be free from loose or detached parts, with a minimum compressive strength of 25 N/mm² and a minimum tensile strength of 1.5 N/mm². The surface must also be dry and free from any oil, grease, surface treatments, or existing coatings.

The existing surface must be mechanically prepared by roughening the concrete and removing the cement laitance in order to achieve optimum adhesion of the subsequent coating.

Weak concrete must be removed, together with dust and friable material, before applying the flooring system.

PRIMER APPLICATION

Choose the correct primer according to the surface: UMIDFOND 3C for damp substrates, or APSEPRIMER NS 125 for dry substrates (maximum relative humidity of the substrate 4%). While the primer is still fresh, sprinkle with 0.3–0.8 mm quartz sand, consuming 1–2 kg/m².

For application instructions and the limitations of the primers, please refer to the relevant technical data sheets.

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PRODUCT PREPARATION

Before mixing, stir Component A (resin) and add the entire contents of Component B (hardener). Mix the two components using a low-speed mixer (300–400 rpm) for at least one minute, until a homogeneous mixture is obtained.

Gradually add Component C to the previously prepared mixture. Continue mixing for three minutes until a homogeneous consistency is achieved.

APPLICATION INSTRUCTIONS

Apply the product using a steel trowel to achieve the desired thickness.

Apply the product at temperatures between +5°C and +30°C.

CURING

For drying and curing times at 20°C, please refer to the table below.

Pot-life	15 minutes
Initial film formation	20 minutes
Light foot traffic	8-12 hours
Light vehicular traffic	24 hours
Heavy vehicular traffic	48 hours
Full curing	5-7 days

WARNINGS

The product should be mixed thoroughly using a slow-speed mixer without overheating it. Overheating may cause the formation of bubbles, sometimes of considerable size, particularly when the ambient temperature exceeds 15°C, during application. In areas exposed to UV radiation, yellowing may occur, which is more noticeable in lighter shades. When applying to concrete that has been cured for 7 days (under standard temperature and humidity conditions), expansion joints must be installed to compensate for the hygroscopic shrinkage of the concrete.

CLEANING OF TOOLS

The tools and equipment used for the preparation and application of POLICEMENT SR must be cleaned immediately after use with water, preferably lukewarm water.

Once the product has hardened, it can only be removed mechanically.

HEALTH AND SAFETY

For information on safety regulations, hazard and precautionary statements, please refer to the latest safety data sheet, by request at:

ufficiotecnico@apsebg.it

STORAGE

Shelf life: 12 months when stored in the original packaging in a cool, dry place. Store at temperatures between +5°C and +25°C. Protect from frost.

DISPOSAL

Dispose of the contents and/or container in accordance with local regulations.

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PRODUCT TECHNICAL DATA

PHYSICAL CHARACTERISTICS OF THE MIXTURE (at +20°C)

CHARACTERISTICS	STANDARD	RESULT
Colour	-	RAL colours
Specific weight	EN ISO 2811-1	2.0 g/cm ³

PRODUCT PERFORMANCE ACCORDING TO EN 13813.

CHARACTERISTICS	STANDARD	RESULT
Compressive strength	EN 13892-2	≥ 50 N/mm ²
Flexural strength	EN 13892-2	≥ 22 N/mm ²
Grip strength	EN 13892-8	≥ 2 N/mm ²
Abrasion resistance (TABER) CS-17 grinding wheel: 1,000 cycles, 1,000 g	EN ISO 5470-1	< 0.154g

PRODUCT PERFORMANCE IN OPERATION

CHARACTERISTICS	STANDARD	RESULT
Tensile strength	EN 13892-2	>15 MPa
Elongation at break		<1.0%
Modulus of elasticity	ASTM C597-83	1500 MPa
Relative humidity of the substrate		<10%
Water absorption	CP.BM 2/67/2 (ml)	0
Chemical resistance	EN 6272-1	excellent

The above data are information obtained based on our best technical knowledge, application, and research experience. However, since we are unable to intervene directly in site conditions and work execution, they represent general indications that do not bind APSE S.r.l. in any way. - V&V Group. The information given does not relieve the purchaser of his responsibility to personally test our products as to their suitability with regard to their intended use. The customer is also responsible for verifying that this data sheet is valid for the batch of product of interest to him and is not outdated as superseded by later editions. If in doubt, contact our Technical Department in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without prior notice. This revision cancels and supersedes all previous ones, all under the continuous verification of data according to the new current Standards and our ISO 9001 management system. Please feel free to check the most up-to-date version of this Data Sheet on our website www.apse.it

