APSE®
floor products since 1964

N. 428 - REV. 04/2025

POLICEMENT AL

POLYURETHANE CEMENT COATING

DESCRIPTION

POLICEMENT AL is a self-levelling coating based on three-component, coloured polyurethane cement resins, particularly suitable for floors subject to medium-heavy loads and medium mechanical and chemical stresses.

FIELDS OF APPLICATION

POLICEMENT AL is particularly suitable for:
- Warehouses;
- Food industries;
- Chemical companies;
- Pharmaceuticals;
- Laboratories and Workshops;
- Cold stores;
- Storage areas.

FEATURES AND BENEFITS

- Fast product even at relatively low temperatures;
- Endowed with excellent chemical resistance and abrasion resistance;
- Endowed with antibacterial qualities;
- Good mechanical resistance;
- Available in antistatic and conductive versions;
- Matt finish;
- Temperature resistance from - 20 to +120°C (for thicknesses >9mm)
- Can also be applied on 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 = 14 kg

CONSUMPTION

2 kg/m2 per mm of thickness.
Possibility of producing thicknesses from 2 to 5 mm.

CERTIFICATIONS

POLICEMENT AL 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.

ISO 9001 certi CERTIFIED

EN 138 CE

SUBSTRATE PREPARATION

The concrete surface to be treated must be free of loose 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 of any oily substances, grease, surface treatments and existing coatings. The existing surface must be mechanically prepared by roughening the concrete and removing the cement slurry, in order to achieve optimum adhesion of the subsequent coating. Poorly adhering concrete should be removed along with dust and friable material prior to the application of the flooring.

PRIMER APPLICATION

Choose the correct primer according to the surface: UMIDFOND 3C for wet substrates, or APSEPRIMER NS 125 for dry substrates (max. r.h. of the substrate 4%). On the fresh primer, sprinkle quartz sand of granulometry 0.3-0.8 mm with a consumption of 1-2 kg/m².
For application methods and primer limits, refer to the relevant technical data sheets.

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PRODUCT PREPARATION

Before mixing, mix component A (resin) and add component B (hardener). Mix the two components with a mixer at low speed (300-400 rpm) for a minimum of one minute until a homogeneous mixture is achieved. Gradually add component C to the previously obtained mixture. Continue mixing for three minutes until a homogeneous consistency is achieved.

METHOD OF APPLICATION

Apply the product with a steel trowel of the desired thickness and deaerate with a roller within 3 minutes.

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

CURING

Refer to the table below for drying times (at 20°C) and curing times.

Pot-life	15 min
Film formation start	20 min
Light pedestrian transit	8-12 hours
Light vehicular traffic	24 hours
Heavy vehicular traffic	48 hours
Complete curing	5-7 days

WARNINGS

It is recommended to mix the product correctly with a slow mixer without overheating it. Overheating may result in the formation of bubbles, even of considerable size, when laid, especially when the ambient temperature is above 15°C. In areas subject to UV irradiation, yellowing may occur, which is more noticeable in light shades. In the case of applications on concrete after 7 days of curing (under standard temperature and humidity conditions), joints must be made to compensate for the hygrometric shrinkage of the concrete.

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, if stored in original packaging, in a cool, dry place. Store at temperatures between +5°C and +25°C. Protect against frost.

DISPOSAL

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

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PRODUCT TECHNICAL DATA

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

CHARACTERISTIC	STANDARD	RESULT
Colour	-	RAL colors
Specific weight	EN ISO 2811-1	2,0 g/cm^3

PRODUCT PERFORMANCE ACCORDING TO EN 13813.

CHARACTERISTIC	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)	EN ISO 5470-1	< 0,154g
grinding wheel CS-17 1000 cycles 1000 g	EN 13501-1	F_{fl}

PRODUCT PERFORMANCE IN OPERATION

CHARACTERISTIC	STANDARD	RESULT
Tensile strength	EN 13892-2	>15 MPa
Heslatic modulus	ASTM C597-83	1530 MPa
Slip resistance 75	EN 13036-4	Wet surface: 75
Relative humidity of the substrate		Dry surface: 130
Water absorption	CP.BM 2/67/2 (ml)	<10%
Chemical resistances	EN 6272-1	0