APSE®
floor products since 1964

N. 444 - REV. 11/2026

POLIGLASS MONO

SINGLE-COMPONENT SOLVENT POLYURETHANE BINDER, TRANSPARENT NON-YELLOWING, WITH EXCELLENT UV RESISTANCE



DESCRIPTION

POLIGLASS MONO is a transparent, single-component, non-yellowing polyurethane binder with a glossy effect and with excellent UV resistance.
It reacts with the humidity of the air forming a film with excellent abrasion resistance characteristics and good resistance to atmospheric agents.

FIELDS OF USE

POLIGLASS MONO is used mixed with natural grits of various sizes to obtain decorative floor coverings that do not yellow, have medium elasticity, are resistant to wear and have anti-slip characteristics, such as:
• Balconies, terraces;
• Porticoes, external stairs;
• Walkways, corridors**:**

PACKAGING

5 kg – 20 kg in metal cans

CONSUMPTION

Approximately 0.7 kg/m² of POLIGLASS MONO
+ 16 kg/m² of fine gravel per 1 cm of thickness

FEATURES AND BENEFITS

• Does not require demolition;
• No substances harmful to the environment;
• Infinite color combinations;
• Urban floors suitable for pedestrians or cyclists;
• 100% draining outdoor flooring system;
• Coatings made with POLIGLASS MONO do not show any tendency to yellowing, are resistant to abrasion and pedestrian traffic;
• They have high adhesion, wear resistance and high surface hardness;
• Absence of yellowing and resistance to UV rays;
• Applicable from +10°C to +30°C.

CERTIFICATIONS

POLIGLASS MONO complies with standard UNI EN 13813: materials for screeds (DoP no. 444).
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 certiW CERTIFIED

CE EN 13813

SUBSTRATE PREPARATION

The substrates to be coated must be healthy, dry, and free of loose parts, dust, dirt, grease, oil and any other material that could compromise the adhesion of the product to the support.
It is always necessary, before carrying out the treatment, to carry out careful sanding, followed by vacuuming up the resulting dust.

PRIMER APPLICATION

To increase the adhesion of the coating to the substrate, apply one coat of APSEPRIMER NS 125 or POLIGLASS MONO PRIMER (refer to the relevant technical data sheets). In case of particularly smooth substrates, sprinkle the primer with 0.1-0.3 silica sand. For vertical surfaces, use ANCORFIBER TIX as an adhesive (consumption approx. 1–1.1 kg/m²) before laying the POLIGLASS MONO + pebble system using the ‘wet-on-wet’ method.

PRODUCT PREPARATION

The product is single-component and ready for use. Mix the aggregates with between 4% and 6% resin, depending on their size (4% for 2/4 mm pebbles and 6% for 1/2 mm pebbles) and depending on the presence of dust in the pebbles. The aggregates must be dry and clean. Mixer with electric drill at low speed for a few minutes, until completely homogenised.
Mix only the quantities that can be used within the maximum workability time.

APPLICATION PROCEDURE

Spread, level, compact and smooth with a smooth spatula, taking care to keep the surface of the spatula moist with DILUPOL solvent.

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

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APPLICATION OF THE FINISH

If necessary, further consolidate the obtained screed by applying POLIGLASS MONO FINISH or (alternatively, POLIGLASS MONO diluted with DILUPOL from 40 to 50% by weight), taking care to drain the roller well on the mesh before applying.

CURING

The hardening time of a layer of POLIGLASS MONO is influenced by the ambient temperature
For drying and maturation times (at 20°C), refer to the table below.

Workability time	30 hours
Start time of setting	2 hours
Maximum recoating time	+10°C: < 48 h +20°C: < 24 h
Walkability	24 hours

WARNINGS

• Do not apply directly on very absorbent or wet surfaces;
• Do not apply the product in high thicknesses per coat;

CLEANING OF TOOLS

The equipment used for the preparation and application of POLIGLASS MONO must be cleaned immediately after use with DILUEPOL. After the product has hardened, removal can only be done mechanically.

HEALTH & SAFETY

For information on safety standards, danger indications and precautionary advice, please refer to the most recent safety data sheet by requesting it at: ufficiotecnico@apsebg.it

STORAGE

Shelf life of over 12 months, if stored in the original packaging, in a dry and humidity-free place. Store at temperatures between +5°C and +30°C.

DISPOSAL

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

PRODUCT TECHNICAL DATA

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PHYSICAL CHARACTERISTICS (at +20°C)

CHARACTERISTIC	STANDARD	RESULT
Apsect	-	Liquid
Colour of the resin	-	Transparent
Colour of the dough	-	According to the type of aggregates used
Specific gravity of the resin	EN ISO 2811-1	1.15 g/cm^3
Specific weight of the mixed product	EN ISO 2811-1	2.00 g/cm^3
Viscosity	EN 8490	3000±750 cps

PRODUCT PERFORMANCE IN USE

CHARACTERISTIC	STANDARD	RESULT
Elongation at break	EN ISO 527-1	30%
Flexural strength • 24 hours • 7 days • 14 days	EN 13892-2	≥ 5.0 N/mm^2 ≥ 5.5 N/mm^2 ≥ 6.0 N/mm^2
Compressive strength • 24 hours • 7 days • 14 days	EN 13892-2	≥ 6.5 N/mm^2 ≥ 7.5 N/mm^2 ≥ 8.0 N/mm^2

The data reported above is information obtained based on our best technical and application knowledge and research experience. However, as we cannot directly intervene on the conditions of the construction sites and the execution of the works, they represent indications of a general nature which do not bind APSE S.r.l. in any way. - V&V Group. The information provided does not exempt the buyer from his responsibility to personally test our products for their suitability for the intended use. The customer is also required to verify that this technical data sheet is valid for the product batch of his interest and is not outdated as it has been replaced by subsequent editions. If in doubt, contact our Technical Office in advance. APSE S.r.l. - V&V Group reserves the right to make technical changes of any kind without notice. This revision cancels and replaces any previous one, all under the continuous verification of the data in accordance with the new regulations in force and our ISO 9001 management system. Please check the most updated version of this Technical Data Sheet on our website: www.apse.it