

POLFLOOR-AS 809

(former PU ANTI-SCRATCH)

ANTI-DUST, POLYURETHANE-BASED RESIN FOR ANTI-SCRATCH PROTECTION

GENERAL CHARACTERISTICS

POLFLOOR-AS 809 is polyurethane-based, anti-dust, transparent, hardening, two-component resin that can be applied on epoxy systems for anti-scratching protection, or on concrete surfaces for anti-dust protection.

- Applied on old or new concrete and marble surfaces eliminating dust and decay.
- Ideal for epoxy-based coatings as a transparent varnish providing high anti-scratch resistance.
- Suitable for light and middle circulation.
- Offers high mechanical resistance and chemical protection against acid, alkalis, oil, and grease.
- It can be easily repaired locally if necessary.

TECHNICAL DATA

Basis: two-component polyurethane resin

Appearance: liquid

Colors: transparent

Viscosity: 800 ± 20 mPa•s at 23°C

Density: 1,104 gr/cm³

Mixing proportion (A:B): 37:63 by weight

Final strength: after 7 days at 23°C

Temperature for the application and drying of the material: 12 – 35°C

Walkability: after 2 days

Adhesive strength: >3 N/mm² (breaking of concrete)

SUBSTRATE REQUIREMENTS

Concrete quality: at least C20/25

Age: at least 28 days

Moisture content: below 4%

PREPARATION - APPLICATION

Applied only on dry surfaces. Protected from arising humidity and free of materials that might prevent bonding e.g. dust, loose particles, grease etc. The success in the application depends on the right preparation of the underlay and use of the material.

- **Good, dry** cleaning of the surface from dust and residues with vacuum cleaner and squeegees.
- Good mixing of components A & B packed into separate containers in fixed weight proportions. Mixing should be performed using a low revolution mixer (300-600 rpm) for

Thessaloniki Office

10, 25th Martiou str., N. Efkarpia,
P.C.: 56429, Thessaloniki Greece
T.: (+30) 2310 680105, (+30) 2310 680382
F.: (+30) 2310 692866

e-mail: exports@polat.gr

Athens Office

109, Vouliagmenis Avenue, Glifada,
P.C.: 16674, Athens Greece
T.: (+30) 210 9647320
F.: (+30) 210 9646317

www.polat.gr



-
- 1-2 min. Stirring of the mixture should be performed thoroughly near the sides and bottom of the container in order to achieve uniform dispersion of the hardener.
 - Application of **POLFLOOR-AS 809** in two or three layers using brushes or nappy rolls. The next layer follows the other after the previous dries.
-

CONSUMPTION

- 150-200 gr/ m², in two layers depending on the type, absorbency and roughness of the underlay.
-

APPLICATION TOOLS

Nappy rolls, brushes for smooth industrial surfaces. Tools should be cleaned with **POLYURETHANE SOLVENT 133** immediately after use.

PACKAGING

Supplied in packages of 8kg (two drums). Components A and B have the fixed weight proportion.

STORAGE

One year in unopened containers in dry places with minimum temperature 5°C.

REMARKS

- Working time of **POLFLOOR-AS 809** decreases when ambient temperature rises.
 - In case old floors are going to be laid or a long period of time interferes between successive layers (12 hours in summer and 24 hours in winter), the surface must be thoroughly cleaned and ground prior to application of a new layer.
 - After hardening **POLFLOOR-AS 809** is completely safe for health.
-

CAUTION

The application must take place in well-aired places using protective gloves. Skin or eye contact must be avoided, otherwise wash carefully with soap and water. Flammable before application. **For more information consult the material safety data sheet.**

The information given here is true, represents our best knowledge and is based not only on laboratory work, but also on field experience. However, because of numerous factors affecting results we offer this information without any guarantee and no patent liability is assumed. For additional information or questions, contact the technical department of POLAT S.A.

Thessaloniki Office

10, 25th Martiou str., N. Efkarpia,
P.C.: 56429, Thessaloniki Greece
T.: (+30) 2310 680105, (+30) 2310 680382
F.: (+30) 2310 692866

e-mail: exports@polat.gr

Athens Office

109, Vouliagmenis Avenue, Glifada,
P.C.: 16674, Athens Greece
T.: (+30) 210 9647320
F.: (+30) 210 9646317

www.polat.gr

