

ACQUA POL TR

TWO-COMPONENT, NON-YELLOWING,
WATER-BASED TRANSPARENT
POLYURETHANE FINISH



DESCRIPTION

ACQUA POL TR is a water-based, two-component, non-yellowing, transparent polyurethane finish with a matte or glossy effect. It features high abrasion resistance and good resistance to chemicals.

Available in the following gloss grades:

Matte finish: 20 gloss

Glossy finish: 70 gloss

FIELDS OF USE

ACQUA POL TR is particularly suitable for the following applications:

- dustproof treatment of floors inside rooms such as garages, warehouses, basements, etc;
- can also be used for the consolidation and protection of concrete, stone, terracotta, granite, marble, etc. artifacts;
- protective finish on floors and walls with decorative effects;
- matte protective finish on self-levelling floors;
- protective finish for floors of cementitious, epoxy, polyurethane nature.

PACKAGING

Comp. A + B = 2.5 + 0.5 kg

or

Comp. A + B = 5 + 1 kg

CONSUMPTION

For both gloss and matte transparent finish, indicative consumption is 0.100 to 0.120 kg/m² per coat, depending on the characteristics of the substrate to which it is applied and the method of application. Recommended application in two coats. Rougher surfaces and lower temperatures increase consumption and lengthen the curing time of the material.

MIXING RATIO

Comp. A : Comp. B = 5 : 1

CHARACTERISTICS AND BENEFITS

- Surfaces treated with ACQUA POL TR show no yellowing tendency, are resistant to abrasion and vehicular traffic;
- High adhesion, wear resistance and high surface hardness;
- Easy cleaning and maintenance;
- Absence of yellowing and resistance to U.V. rays.

CERTIFICATIONS

ACQUA POL TR complies with UNI EN 13813: materials for screeds (DoP No. 458)

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 substrates to be coated must be sound, dry, free of detaching parts, dust, dirt, grease, oil and any other material that could affect the adhesion of the product to the substrate.

It is always necessary, before carrying out the treatment, to carry out careful sanding, followed by suction of the dust produced using an industrial vacuum cleaner in order to ensure adhesion to the substrate.

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PRODUCT PREPARATION

Two-component product to be mixed at the time of use. Mix the two components separately then pour the contents of component B into component A and homogenize the mixture with electric mixer at low speed for a few minutes until completely homogenized. Mix only the usable amounts within the maximum workable time.

Non-slip finish

If it is desired to give ACQUA POL TR anti-slip characteristics, it is necessary to add, under continuous mixing, special micrometric extremely wear-resistant fillers at the rate of 5-10% by weight, keeping the product under agitation for a few minutes; in this case it is advisable to keep the product mixed to avoid sedimentation of the inert.

MODE OF APPLICATION

The blended product can be applied using a short-haired roller. To achieve a better aesthetic effect, it is recommended to apply the product in two coats by crossing the passes and taking care not to exceed the recommended doses. Apply ACQUA POL TR no later than 48 hours at +20°C after the application of epoxy and polyurethane coatings. If necessary (first impregnation coat), the product can be diluted with water at a rate of about 5 percent.

Apply the product at temperatures between +5°C and +35°C.

CURING

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

| | |
|-----------------------------|-----------------|
| Workability time (Pot-life) | 1 hour |
| Setting onset time | 2 hours |
| Walkability | 24 h |
| Maximum overcoating time | < 48 h at +10°C |

WARNINGS

Do not use if the container is damaged.
Do not apply directly to highly absorbent surfaces.
Do not apply the product in thick coats.

CLEANING OF TOOLS

Tools used for mixing and applying material can be cleaned with water. Cured material on tools and mixer can be removed mechanically.

HEALTH AND SAFETY

For information on safety regulations, hazard statements and precautionary advice, rely on the latest MSDS by making a request at:

ufficiotecnico@apsebg.it

STORAGE

Shelf life of 12 months when stored in original packaging in a dry, moisture-free 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 TWO COMPONENTS (at +20°C)

| FEATURE | NORMATIVE | RESULT | |
|------------------|---------------|------------------------|------------------------|
| | | COMPONENT A | COMPONENT B |
| Appearance | - | Liquid | Liquid |
| Available colors | - | Milky | Transparent |
| Specific gravity | EN ISO 2811-1 | 1.10 g/cm ³ | 0.98 g/cm ³ |
| Viscosity | EN 8490 | 250 cps | 250 cps |

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

| FEATURE | NORMATIVE | RESULT |
|----------------------------|---------------|-----------------------------|
| Color | - | Milky |
| Consistency of the mixture | - | Fluid |
| Specific gravity | EN ISO 2811-1 | 1.05±0.05 g/cm ³ |

PRODUCT PERFORMANCE ACCORDING TO EN 13813 STANDARD

| FEATURE | NORMATIVE | RESULT |
|--|---------------|----------------------|
| Impact resistance | EN ISO 6272 | ≥ 4N/mm ² |
| Grip strength | EN 13892-8 | ≥ 2N/mm ² |
| BCA wear resistance | EN 13892-4 | 50 µm |
| Taber abrasion resistance after 7 days | EN ISO 5470-1 | 25 mg |
| (grinding wheel CS 17, 1000 rpm, 1000 g) | | F _{fl} |

The data given above are information obtained from 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. 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 be sure to check the most up-to-date version of this Data Sheet on our website: www.apse.it

