DECORATIVE RESIN COATING

Resin One

Single component · Ready to use

Water-based, through-coloured decorative resin paste with a medium trowelled effect. The formulation described in the Italian source uses epoxy-polyurea binders in aqueous dispersion and spherical fillers with a particle size of 0.1-0.3 mm. It produces a monochrome trowelled finish and can be tinted with water-based pigments or tinting systems.

Intended uses

- Decorative coating for interior vertical and horizontal surfaces.
- Absorbent and non-absorbent substrates after suitable preparation and priming.
- Always apply in two coats. A compatible primer specified for the system is required on every substrate.

Product data

Property	Value / instruction
Chemical composition	Epoxy-polyurea in aqueous dispersion
Appearance / colour	Paste; white or through-coloured
Filler particle size	0.1-0.3 mm
Residue	90%
Pack sizes	5 kg and 10 kg
Indicative consumption	1.5-2 kg/m² total for two coats, depending on the substrate
VOC	< 18 g/L, ready-to-use product; Directive 2004/42/EC, category IIA/j wb, as stated in the original data sheet
Reaction to fire	Bfl-s1 (EN 13501-1), declared in the original data sheet
Declared thermal resistance	Continuous use: +60 °C; up to 7 days: +80 °C; up to 8 hours: +100 °C; temporary moist heat up to +80 °C
Shelf life	6 months in an intact, closed container

Properties and declared resistance

The original data sheet lists resistance to various substances, including salt solutions, ammonia, caustic soda, glycerine, petrol, mineral oils, disinfectants, fruit juices and water. Performance depends on the test conditions and the complete application system. Obtain technical confirmation for specific uses.

- Ready to use; if necessary, dilute with no more than 5% water.
- Apply with a plastic or steel trowel.

- Abrasion and alcohol resistance are declared in the original data sheet.

Application parameters

Parameter	Instruction
Substrate temperature	+10 °C to +30 °C
Relative air humidity	Maximum 75%
Dew point	Substrate at least 3 °C above the condensation temperature
Tools	Plastic or steel trowel
Preparation	Ready to use; maximum 5% water if necessary
Indicative hardening	3 hours at 20 °C, according to the original data sheet
Total consumption	1.5-2 kg/m² for two coats
Tool cleaning	Water

1. Prepare the substrate

The substrate must be dry, sound, stable, clean and free from dust, impurities and substances that could impair adhesion. Remove loose or incompatible paints and coatings. Do not apply Resin One directly to the substrate: prepare it with a suitable primer, such as Uniprimer, according to the substrate and the specified system.

2. Apply the first coat

Apply evenly with a plastic or steel trowel, avoiding uncovered areas. Wait approximately 3 hours at 20 °C or until completely dry. After a preliminary trial, sand using 120-grit abrasive as a reference and vacuum the dust thoroughly.

3. Apply the second coat

Trowel on the second coat to obtain the required decorative effect. Once completely dry, sand with 120-grit abrasive after testing the surface and remove all sanding residues.

Environmental conditions

- Provide ventilation to prevent moisture build-up, particularly in enclosed spaces.
- Keep the substrate at least 3 °C above the condensation temperature.
- On very damp substrates or in rooms exposed to water, wait at least 24 hours before subsequent stages and verify dryness.
- The stated times refer to the declared test conditions. Humidity and temperature can change drying times.
- Use containers from the same production batch for colour uniformity.

Protective finishing system

Select protective finishes according to the intended use and their compatibility with the coating. Before applying another product, check that the coating is completely dry and follow the relevant technical system.

Safety and technical references

Before use, consult the current Safety Data Sheet, label and product instructions. The classifications and VOC, chemical, thermal and fire-resistance values reproduced here come from the original technical data sheet; no new testing was carried out as part of the document redesign.

This English edition translates the published Italian document based on the supplied “ResinOne ST” data sheet. For special applications, check the current application system and technical documentation.

Document reference

English translation of the Italian technical data sheet currently published at Decoriamonoi.it. Italian source: Published Italian edition. English edition: 01 / 18 November 2026. The technical values, stated test scope and application limitations of the Italian source are retained.

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