

SOLIDRO

cod. SOLIDRO-ZERO / SOLIDRO-TOP / SOLIDRO-EXF / SMOOTHI-00-A10S

Single-component, water-based decorative skim coat for floors, walls, ceilings, and furniture.

DESCRIPTION

SOLIDRO is a single-component, non-cementitious coating composed of water-based resins, free of solvents and health-damaging epoxy components. Its use creates a seamless coating approximately 2 mm thick for floors, walls, furniture and other surfaces.

The system includes a protective treatment with polyurethane resin and is perfectly water-resistant.

SOLIDRO offers a wide variety of textures:

- SOLIDRO STANDARD: Uniform coloring with a slightly textured surface.
- SOLIDRO EXTRAFINE: Offers a finely satin-finished version.
- SOLIDRO FLOATED: Features a pronounced pattern that can be accentuated with the appropriately pigmented SMOOTHIFY coating.

FEATURES

- Water-resistant;
- High flexibility;
- Excellent mechanical resistance;
- Fast application cycle;
- 100% water-based system, free of epoxy resins and solvents;
- Composed of ready-to-use single-component products.

USES

For absorbent surfaces:

- Cement-based screeds and self-levelling products;
- Concrete;
- Cement/gypsum/lime-based plasters and skim coats;
- Plasterboard;
- Fibre cement;
- Paints;
- MDF/plywood.

For non-absorbent surfaces:

- Ceramic;
- Stone/marble.

APPLICATION

SUBSTRATE PREPARATION – ABSORBENT SURFACES

Cement and concrete-based screeds (RH< 45), anhydrite-screeds, self-levelling

On a clean, dust-free, firm screed (pull-off resistance > 1 MPa, compression >20 Mpa), apply one coat of a 5:1 mix of IW-BLOCKER using a roller or brush. Once dry (after no less than 2 hours), apply a coat of IW-BLOCKER.

Also for substrates requiring consolidation or for self-levelling finishes follow the same guidelines.

Plasterboard, fibre cement and fine mineral skim coats

A minimum Q3 finish is required. Apply one coat of a 5:1 mix of IW-BLOCKER using a roller/brush. Once dry (after no less than 2 hours), apply IW-BLOCKER.

For finishes below Q3

Use appropriate levelling compounds to achieve the required finish or and then follow the above mentioned guidelines.

As alternative to prior levelling after IW-BLOCKER dries (2–3 hours), apply one coat of SOLIDRO ZERO as a levelling skim coat.

Note: For any breaks in the surface, include a joint that can later be sealed with a sealant.

SUBSTRATE PREPARATION – NON-ABSORBENT SURFACES

Ceramic, stone and marble

Sand the surface, lowering the joints and then apply IW-BLOCKER with a roller/brush, incorporating a fibreglass mesh like RETE-VETRO. Apply one coat of SOLIDRO-ZERO as a levelling skim coat.

SUBSTRATE PREPARATION – EPOXY PREPARATION

The classic epoxy preparation method can also be used, similar to that used with the Microtopping System. Refer to the technical data sheet or contact Ideal Work's technical office.

APPLYING THE MATERIAL

Before applying SOLIDRO ZERO and SOLIDRO TOP, they may be pigmented using COLOUR PACK C series colours. For colours and dosages, refer to the SOLIDRO COLOUR CHART.

Check the workability of the product and, if necessary, add up to 5% water.

The resin can withstand foot traffic after 24 hours but reaches full curing only after 5–7 days.

A – SOLIDRO STANDARD CYCLE

Allow at least 2–3 hours for the IW BLOCKER to dry or 2–6 hours for SOLIDRO ZERO, then follow the application cycle:

1. Apply the preparation coat (see above) and wait for it to dry completely: 2–3 hours if done with IW-BLOCKER, 2–6 hours if done with SOLIDRO ZERO.
2. Apply a tight scratch coat of SOLIDRO-ZERO with a stainless-steel trowel (e.g., MX-64D), ensuring no ridges or streaks are left.
3. After 2–6 hours depending on temperature and humidity, if necessary sand with 60-grit paper to remove imperfections. Then, apply a coat of SOLIDRO-TOP using a VPS 120 type flexible stainless steel trowel (or a plastic trowel for light colors).
4. After at least 12 hours (depending on temperature and humidity), sand with a 180-grit mesh screen. Then, apply the first coat of IDEAL-PU WB EASY, diluted with 10% water if applied with a microfiber roller, or pure (undiluted) if applied with a plastic trowel.
5. Apply the second coat in the same manner after at least 3 hours and no later than 4 hours. If the second coat is applied after more than 4 hours, lightly sand the surface with a 180–220 grit mesh screen.

B – SOLIDRO EXTRA FINE CYCLE

To obtain a finely satin-finished surface.

1. Proceed up to step 3 of the SOLIDRO STANDARD cycle, then
2. After at least 12 hours, sand with a 180-grit mesh screen and apply a tight coat of EXTRAFINO using an 817-PV TRASP type transparent plastic spatula.
3. After no less than 12 hours, sand with a 180-grit mesh screen and apply the protective resin following the procedures described above.

C – SOLIDRO EASY WALL CYCLE

Suitable for plasterboard/drywall walls with a Q4 finishing grade and fine skimmed plasters.

1. Apply 1 coat of IW BLOCKER diluted 20% with water.
2. After no less than 2 hours, apply the second coat pure (undiluted).
3. After 2–3 hours, apply the SOLIDRO TOP finish coat.
4. After 8–12 hours, apply a single coat of WB EASY.

D – SOLIDRO FLOATED PROTOCOL

To create a dynamic, tactile surface with natural three-dimensional and chromatic movement.



1. Apply the preparation coat and wait for it to dry completely (2–3 hours with IW-BLOCKER, 2–6 hours with SOLIDRO ZERO).
2. Apply a tight coat of SOLIDRO-ZERO using an MX-64D type stainless steel trowel, taking care not to leave smudges or ridges.
3. After 2–6 hours, apply a second coat of SOLIDRO-ZERO using a VPS 120 type flexible stainless steel trowel, layering material, dabbing, and flattening to create a textured finish. The typical fan- pattern of spatula application should be removed using the flat part of the spatula.
4. After at least 24–48 hours, sand first with 60-grit paper and then with a 60-grit mesh screen. Apply SMOOTHIFY (no less than 0.1 kg/m²) using an 817-PV TRASP type transparent plastic spatula. Smoothify can be colored with COLOR PACK-C to achieve color contrast and veining.
5. After 2–4 hours, topcoat using the same spatula with 1 coat of pure (undiluted) IDEAL-PU WB EASY. Applications delayed beyond 12 hours require prior sanding of the substrate with a 180–220 abrasive mesh screen.

TECHNICAL DATA

Dilution	Up to 5% with water.
Application Temperature	10°C–25°C.
Re-coat Time	2–6 hours.
Walkable (complete WB EASY cycle)	12 hours.

COVERAGE, PACKAGING AND MIXING RATIOS

COMPONENT	DESCRIPTION	PACKAGING	CONSUMPTION (KG/m ²)
IW-BLOCKER	As primer	10 Kg	0,150
IW-BLOCKER	Anchoring paste	10 Kg	0,300
RETE- VETRO	Fibreglass mesh		
SOLIDRO-ZERO	Base coat	20 Kg	0,8–1,2 (one coat)
SOLIDRO-TOP	Finishing coat	10 Kg	0,6 (one coat)
SOLIDRO-EXT	Fine finishing coat	5 Kg	0.10 (one coat)
SMOOTHY-000-A01S	Polyurethane resin-gel	1 Kg	0.15 (one coat)
IDEALPU WB EASY	Polyurethane resin	1,2–6 Kg	0,04–0,05 (one coats)

STORAGE/DISPOSAL

Can be stored in a dry, ventilated place at 15°C–20°C in the original packaging for up to 12 months. Avoid direct sunlight exposure. Cover leftover material with nylon and reseal the container with its original lid. Dispose of product/container in compliance with local, regional, national and international regulations.

PRECAUTIONS

Avoid conditions that cause uneven drying such as drafts or direct sunlight.
Seal joints elastically with IW-DECOFLEX to allow movement.
Apply a vapour barrier if rising damp is present.

IMPORTANT:

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is not used in accord with its instructions. The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed even partially in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the flooring which depends on the installation methods, working times and climatic conditions of the site. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of the responsibilities and technical evaluations of the applicator. The data can be changed at any time. Also note that the products are intended for professional use only.