

SOLIDRO

cod. SOLIDRO-ZERO / SOLIDRO-TOP

Decorative, water-based, single-component coating 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, which is perfectly water-resistant, includes one or more layers of SOLIDRO-ZERO as a base, a finishing layer of SOLIDRO-TOP and surface protection with polyurethane resin.

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, anhydrite screeds, self-levelling (HR <2%)

On a clean, dust-free, firm screed (pull-off resistance > 1 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.

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

- Apply SOLIDRO-ZERO with a stainless-steel trowel (e.g., MX-64D), ensuring no ridges or streaks are left.
- After 2-6 hours (depending on temperature and humidity), sand with grit 60-100 to remove imperfections, then apply SOLIDRO-TOP with a soft stainless-steel trowel (e.g., VPS 120) or a plastic trowel for light colours.
- After 12 hours (depending on temperature and humidity) if necessary, sand with grit 120-180 to remove imperfections, remove any dust then apply IDEAL-PU WB EASY. Use undiluted for plastic trowel application or dilute up to 10% with water for microfibre roller application.
- After at least 3 hours and no more than 4 hours, apply the second coat with the same method. If applied after 4 hours, first lightly sand the surface with grit 120 and remove any dust.
- For plasterboard walls with a Q4 finish or MDF, the EASY WALL system can be used: one coat of IW-BLOCKER, one of SOLIDRO-TOP and eventually the sealer WB EASY (2 coats).

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)
IDEALPU WB EASY	Polyurethane resin	1,2-6 Kg	0,08-0,10 (two 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.