ITAL KOL

your partner to build with

VELO WEST AFRICA

velowestafrica.com

050 5290 221 / 030 20540 446

No.69 Spintex Road, Accra-Ghana

Two-component cementitious mortar, flexible down to -20°C, for waterproofing balconies, terraces, bathrooms and swimming pools

HIDROSTOP

CLASSIFICATION ACCORDING EN STANDARD

HIDROSTOP meets the requirements defined by EN 1504-9 ("Products and systems for the protection and repair of concrete structures - Definitions, requirements, quality control and evaluation of conformity - General principles for the use of products and systems") and the requirements claimed by EN 1504-2 coating (C) according to the PI, MC and IR principles ("Protection systems for concrete surfaces").

FIELD OF APPLICATION

Waterproofing and protection of concrete structures, renders and cementitious screeds.

Application examples

- Waterproofing of concrete basins used for containing water.
- Waterproofing bathrooms, showers, balconies, terraces, swimming pools, etc. before laying ceramic tile finishes.
- Waterproofing of plasterboard, render or cementitious surfaces, lightweight cement blocks and marine-grade plywood.
- Flexible smoothing layer for light-sectioned concrete structures, including those subjected to minor deformation when under load (e.g. pre-cast panels).
- Protection of renders or concrete with cracks caused by shrinkage, against the infiltration of water and aggressive atmospheric elements.
- Protection, against the penetration of carbon dioxide, of concrete pillars beams, road and railway viaducts
- Protection of concrete surfaces which may come into contact with seawater, de-icing salts, such as sodium or calcium chloride, and sulphates.

TECHNICAL CHARACTERISTICS

PRIMER POX is a two-component, transparent, epoxy resin-based primer. Once PRIMER POX has been prepared as specified and diluted according to requirements, it may be applied by roller or by airless spray in coats from 60 to 100 µm thick. PRIMER POX may be applied directly on concrete without a vapour barrier.

RECOMMENDATIONS

- Do not dilute PRIMER POX with solvents.
- Do not apply PRIMER POX on crumbling substrates.
- Do not apply PRIMER POX on substrates with oil or grease stains or stains in general.
- Only apply PRIMER POX on substrates prepared as specified.
- Do not mix partial quantities of the components to avoid mixing errors; the product may not harden correctly.
- Do not expose the mixed product to sources of heat.
- Protect the product from water for at least 24 hours after application.
- The temperature of the substrate must be at least 3°C above dew-point.
- Do not apply PRIMER POX if the temperature is lower than +8°C or higher than +35°C.

APPLICATION PROCEDURE

Preparing the substrate
It is very important to prepare surfaces as specified to guarantee correct application and to obtain the best performance from resin systems. The best way to prepare substrates is mechanically, such as shot blasting or grinding with a diamond disk. Milling or scarifying are only required if several millimeters of material need to be removed from the surface. After mechanically preparing the surface, remove all waste and dust by thoroughly vacuuming the surface. Once the substrate has been prepared, the surface must be sound, compact, clean, dry, slightly rough, absorbent and free of any material that could affect adhesion of the coating, such as:
– Cement laitance;
– Dust or detached or loose material;
– Protective wax, curing products, paraffin or efflorescence;
– Any other type of pollutant;
– Loose traces of old coating material, etc.

Preparation of the product
Pour component A into the container of component B and mix carefully with a low-speed mixer for a few minutes to form a smooth, even compound.

Application
Apply PRIMER POX in a single, even coat with a medium-pile or long-pile roller. While the product is still wet, lightly broadcast the surface with Quartz 0.5. Wait al least 3-4 hours before removing any excess of sand from the surface

CONSUMPTION

Consumption varies between 0.20 and 0.30 kg/m² according to the absorption of the substrate.

PACKAGING

PRIMER POX is supplied in 4kg bucket.

STORAGE

PRIMER POX can be stored for 24 months in a normal environment and original packaging. The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH), item 47.

SAFETY INSTRUCTION FOR PREPARATION AND INSTALLATION

PRIMER POX component A irritates the skin and eyes and may cause sensitization to those predisposed if it comes in contact with the skin. PRIMER POX component B is corrosive and may damage the eyes. When applying the product it is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin wash immediately with plenty of water and seek medical attention. PRIMER POX component A is hazardous for aquatic life. Do not dispose of this product in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet. PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA

TECHNICAL DATA

Product identity	**Component A**	**Component B**
Color:	transparent	opalescent
Consistency:	liquid	liquid
Density (g/cm³):	1.10	1.00
Viscosity at +23°C (mPa·s):	1,600 ÷ 2,700 (# 2 - 10 rpm)	7,000 ÷ 9,000 (# 6 - 20 rpm)

Application data (at +23°C and 50% R.H.)

Mixing ratio:	component A : component B: = 1 : 3
Color of mix:	opalescent
Consistency of the mix:	fluid
Dry substances content (%):	70
Density of mix (kg/m³):	1,100
Viscosity of the mix (mPa·s):	4,500
Workability time:	2-3 hours
Application temperature:	+8°C to +35°C

Final performance

Dust dry (+23°C - 50% R.H.):	3-4 hours (first coat)
6-8 hours (second coat)	
Complete hardening time:	7 days