IP48

(Single-component, polyurethane primer)

Cod. DOSO7580

Rev. 005 01/02/17

DESCRIPTION

Single-component, moisture cure, solvent-based, polyurethane primer for solidifying and waterproofing absorbent cement slabs or anhydrite substrates.
IP48 is easy to apply by roller, brush, spatula, sprinkler, airless sprayer and can be overapplied with Carver glues (two-component, PU or MS single-component).

APPLICATION FIELDS:

1) Dust-preventing and solidifying surfacing treatment of cement slabs or anhydrite substrates.
2) Solidifying and deep restoring treatment of cement slabs or anhydrite substrates.
3) Waterproofing of damp cement slabs (residual humidity up to 5%), prior to wood floors installation.
4) Dust-preventing and restoring treatment of cement slabs.
5) Fastening not perfectly fixed strips or planks during the refinishing process.

DIRECTIONS

VERIFICATION OF SURFACES

- Make sure that the surfaces to be treated are absorbing, clean, with no traces of oil, grease, paint, wax or silicone, nor crumbling or loose pieces. In any case it is advisable to brush with abrasive discs grain #16, Carborundum discs, or wire brush and then to remove dust thoroughly. For the repair of any cracks and partial crevices use LEVELTRIS (see technical data sheet).

TREATMENTS:

- **DUST-PREVENTING AND SOLIDIFYING TREATMENT OF CEMENT SLABS OR ANHYDRITE SUBSTRATES:** check the suitability of the areas to be treated (see above) in order to evaluate the porosity and the dilution percentage. Slabs with high absorbance and coarse porosity need low dilutions, whereas less absorbent slabs with fine porosity need higher dilutions (up to 50%, with DILUENTE PR)). Verify through the use of a hygrometer that the substrate has a correct residual moisture :
  - Cement slab max 2,0%
  - Anhydrite slab max 0,5%

Apply one coat of (eventually) thinned product assuring its total penetration into the screed. After 24 hours, proceed with the wood floor installation using Carver glues (two-component, PU or MS single-component).

- **SOLIDIFYING AND DEEP RESTORING TREATMENT OF CEMENT SLABS OR ANHYDRITE SUBSTRATES:** check the suitability of the areas to be treated (see above). Verify through the use of a hygrometer that the substrate has a correct residual moisture:
  - Cement slab max 2,0%
  - Anhydrite slab max 0,5%

Dilute the product (from 10% up to 50%) with DILUENTE PR and apply one or more coats, wet on wet, till the product is completely penetrated in the subfloor (the product must not create a film). Wood floor installation should occur after the solvent evaporation, which takes from 1 to 7 days. Then proceed with the wood floor installation using Carver glues (two-component, PU or MS single-component).

- **WATERPROOFING OF DAMP CEMENT SLABS WITH RESIDUAL HUMIDITY UP TO 5%:** check the suitability of the areas to be treated (see above) in order to evaluate the porosity and the dilution percentage. Slabs with high absorbance and coarse porosity need low dilutions, whereas less absorbent slabs with fine porosity need higher dilutions (up to 50%). Apply one coat of thinned product assuring its total penetration into the screed. After 3 and within 12 hours apply a second coat of unthinned IP48 and, observing the schedule, a third coat of unthinned IP48. To ensure a good adhesion of the glue it is necessary to dust with LEVELTRIS C or a dry quartz sand (grain size 0.1-0.4 mm) on IP48 still wet, when dried then remove the excess. Alternatively it is necessary to abrade carefully the surface with #120-grit abrasive paper. To obtain the best dampproofing result, apply IP48 with a 5 - 10 cm overlap on the perimeter walls (where possible), so that a "basin" protection is created. Wood floor installation should occur after the solvent evaporation, which takes from 1 to 7 days. Then proceed with the wood floor installation using Carver glues (two-component, PU or MS single-component).

- Useful in many problematic situations of the substrates
- Compatible with Carver glues (two-component, PU or MS single-component)
- High penetration power (useful with very compact absorbent substrates)
- Suitable for fixing parts of wooden floors partially came off

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- **DUST-PREVENTING AND RESTORING TREATMENT OF CEMENT SLABS:** check the suitability of the areas to be treated (see above), then apply an abundant coat of IP48, thinned by 5% up to 10% with DILUENTE PR. After 3 and within 12 hours apply, if necessary, a second coat of unthinned primer. The floor can be walked on after 24 hours.
- **FASTENING NOT PERFECTLY FIXED STRIPS OR PLANKS DURING THE REFINISHING PROCESS:** Pour unthinned IP48 on the wood floor and help it to penetrate into the fissures using an american spatula. Let it dry for at least 6 hours and, within 12 hours, apply if necessary a second coat. After 24 hours, it is possible to start sanding and finishing.

NOTICE

- Acclimatize and apply the product at a temperature between +15°C and +35°C. Make sure that room relative humidity degree is between 10% and 75%.
- IP48 can be applied on damp (max. 5%) but not wet surfaces.
- The product, like the others primers on the market, is suitable for the treatment of screeds containing residual moisture in the pouring, but not for the treatment of surfaces exposed to permanent rising damp.
- **IP48 is not suitable for in-floor radiant heat systems.**
- For difficult subfloors, it is always advisable to make a test on a small area, in order to check the absorbance of the product. To ensure a good final result, the first coat must be completely absorbed.
- Never allow more than 12 hours between coats. If it should occur to exceed this time limit, abrade thoroughly with #120-grit abrasive paper or screen before applying the next coat.
- Keep containers tightly closed.
- Any product taken to be used should not be returned to them.

TECHNICAL DATA

(based on room temperature of +23° C and 65% of relative air humidity)

Aspect	transparent, white liquide
Viscosity	12" F4 ± 1" F4
Specific weight	0.98 ± 0.01
Cement slab max. allowed moisture content	5 %
Recoating after / within	3/12 h
Abrading after	5-24 h
Foot traffic after	24 h
Gluing after solvent evaporation	1-7 days
Taber test	10 mg
Coverage (per coat) of the unthinned product	5-7 m^2/lt
Thinning	DILUENTE PR
Max. allowed thinning rate	50%
Tools cleaning	DILUENTE LAVAGGIO

For professional use only!
Do not dispose of residues in the soil or sewage system!
If the original unopened container is stored in a cool and dry place, the product will keep for at least 12 months.

N.B.: The information contained in this technical datasheet is to the best of our knowledge and experience, but means provided without any guarantee, since the terms and conditions of use of the product are beyond our control

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