





HYDROSEAL

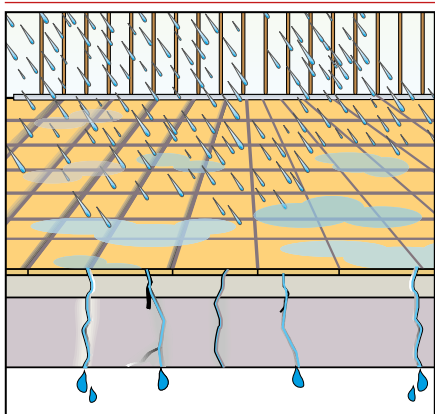
COLOURLESS, WATER-REPELLENT, WATERPROOFING PROTECTIVE AGENT WITH HIGH PENETRATION FOR SURFACES TILED WITH TERRACOTTA, STONEWARE, PORCELAIN STONEWARE, KERLITE AND CLINKER

GRANTS *LEED* CREDITS

CHARACTERISTICS		ENVIRONMENTAL	METHOD OF USE		PRECAUTIONS
 SOLVENT BASED	 WATERPROOFING		 SPRAY APPLICATION	 APPLY BY BRUSH	

PROBLEM

PROTECT TERRACES AGAINST WATER SEEPAGE

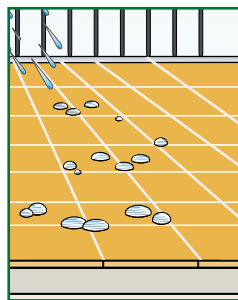


The reconstruction and waterproofing of terraces or tiled surfaces is always expensive and very laborious. Surface waterproofing using transparent coatings which form a film deteriorate easily and quickly. The quickest and longer solution is therefore to use a product which waterproof by penetrating into the porous face of the material itself but without creating a superficial film or vapour barrier which would prevent the escape of entrapped moisture.

SOLUTION

HYDROSEAL is a colourless solution of low viscosity, manufactured from a concentrated compound of non-absorbent resins and waterproofing agents in organic solvents.

HYDROSEAL does not form a superficial film; it waterproofs by creating a barrier which blocks water infiltrations and localised damp patches, **without the need for radical restoration**, thus maintaining the original surface colour and the natural ability to breathe. HYDROSEAL allows foot traffic without deterioration.



APPLICATION FIELDS

It is used to waterproof floors tiled with gres, terracotta and clinker, when it is impossible to demolish them on terraces, balconies, external facades, concrete, etc. HYDROSEAL provides transparent waterproofing maintaining the appearance of the treated surface unchanged. It penetrates all the capillary fissures, microfissures and mortar porosity between tiles, saturating every water route and impeding successive infiltrations and losses.

ADVANTAGES

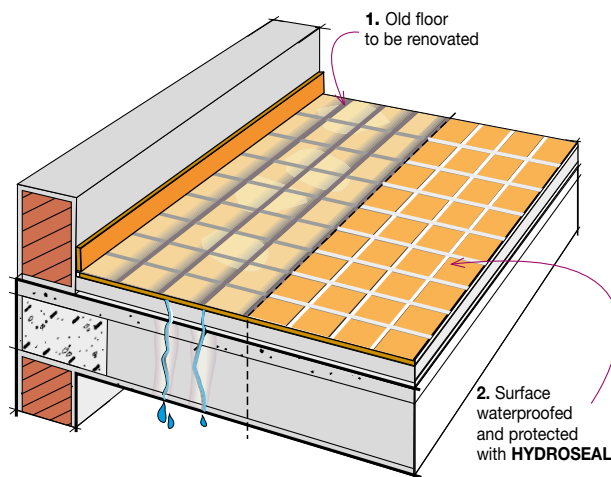
QUICK, CHEAP AND WITHOUT ANY CHANGE IN THICKNESS

- No demolition needed
- Colourless: Invisible waterproofing.
- Waterproofs all types of ceramic and joints without altering the properties of the surfaces.
- Not degraded by foot traffic.
- Does not form superficial skin.
- Allows surfaces to breathe.
- High water-repellence.
- Fills micro fissures.
- Prevents transport of hygroscopic salts.
- Excellent stability to light and acid solutions.



METHOD OF USE

Cleaning with an acid cleaner (such as EXTRACLEAN - INDEX) is recommended, to be diluted with water or concentrated in more difficult cases.



TECHNICAL CHARACTERISTICS

	Standard	HYDROSEAL
Appearance		Liquid
Colour		transparent
Density	EN 1015-6	0.80 ± 0.05 kg/L
Shelf life in original packaging and store in a dry place		24 months
Characteristics of workability	Standard	
Application temperature		+5°C ÷ +35°C
Application		manual or by spraying at low pressure
Performance characteristics	Standard	Product performance
Class and Type	EN 1504-2	H PI-MC-IR
Water absorption and resistance to alkalis	EN 13580	<7.5%
Absorption of water and alkali resistance after immersion in solution of alkali	EN 13580	<10%
Capillary water absorption	EN 13057	0 kg/m ² ·h ^{0.5}
Penetration depth	EN 1504-2 P.19/3	<10 mm - class I
Drying speed for hydrophobing impregnation	EN 13597	>30% - class I
Hazardous substances	EN 1504-2	According note in ZA.1

Test conditions: temperature 23±2°C, 50±5% R.H. and air velocity in test area <0.2 m/s. The values may vary according to the specific job site conditions: temperature, ventilation, absorption of substrate and applied product.

Pursuant to the general principles defined in EN 1504-2 - General principles for the use of products and systems.

(See previous)

After rinsing the surfaces with water, seal any cracks and fill the joints between tiles with grout if necessary. Tiles, frames and thresholds that have come detached must first be stuck with a suitable adhesive. The surfaces of tiles must be cleaned, dried and perfectly degreased from oil, wax and paraffin.



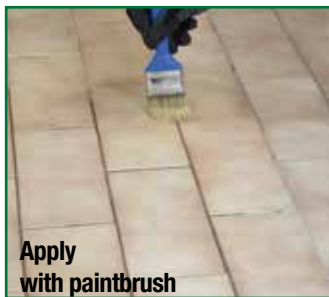
Rinse the surfaces with water



Fill joints if necessary

• APPLICATION

HYDROSEAL is applied by brush or low pressure irrigator in a single coat, particular attention to spaces between tiles and in the most absorbent areas so as to allow the waterproofing solution to impregnate all porous areas.



Apply with paintbrush



Apply with low pressure sprayer

Excess product which has not been absorbed must be removed after max. 30 minutes using a clean rag or a pad saturated with benzine o con uno straccio pulito. Drying time varies with the temperature and surface porosity but generally it is one hour.

The terrace will be waterproofed after 24 hours but the complete drying of the product will take one week.

• CONSUMPTION

Terraces, tiled façades: 3-7 m²/L;
solid bricks, cement: 1-2 m²/L.

• PRECAUTIONS

- The surface to be treated must be free from oils, waxes and paraffins by a degreasing washing to avoid formation of anti-aesthetical coats.
- Cover plants and aluminium or glass surfaces during treatment.
- Apply the product only on dry days and not when it is raining.
- The product must be protected from the rain for at least 24 hours after application.
- Do not add other substances, HYDROSEAL is ready to use.
- It waterproofs porous areas and capillary fissures but cannot be used to seal cracks of 1 mm.



Remove the excess product with a clean, dry cloth

PACKAGING

10-litre Pail.
5-litre Can.

• FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUR TECHNICAL OFFICE • IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS •

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Construction Systems and Products

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