



IMPREGNANTE HI-10 Y HI-20

SALES FORMAT

HI-10: 25L, 15L, 5L, 5L, 1L

HI-20: 25L

DESCRIPTION

Solvent-based product that compacts, waterproofs and increases the strength of concrete. Totally transparent and colourless, it enhances the colour and finish of the paving. Dustproof, it facilitates the cleaning, both dry and wet, of the printed concrete pavements on which it is applied. The standard product is HI-10, HI-20 is a higher concentration, necessary for special applications. For sealing and compacting concrete floors and porous parameters. High penetration power.

SCOPE OF APPLICATION

Exterior/Interior
 Hardens porous surfaces
 Brick or plaster walls
 Cement mortars
 Fixative
 Adhesion promoter
 Absorption regulator
 Concrete

PROPERTIES

- Excellent applicability
- Very fast drying
- No sanding required for repainting
- Confers high hardness
- Repaintable with paints
- Good adhesion
- Damp-proofing

TECHNICAL DATA

Colour	Colourless	
Density HI-10	0,90 ± 0,02 g/ml	UNE- EN ISO 2811-1
Density HI-20	0,95 ± 0,02 g/ml	UNE- EN ISO 2811-1
Viscosity HI-10 / HI-20	20-30 sec / 70-120 sec	ISO 2431
Solids by volume HI-10	16-18%	UNE-EN ISO 23811
Solids by volume HI-20	33-35%	UNE-EN ISO 23811
Theoretical performance HI-10	4-6 m ² /L - 5-7 m ² /kg 30µm dry	UNE-EN ISO 23811
Theoretical performance HI-20	10-12 m ² /L - 11-13 m ² /kg 30µm dry	UNE-EN ISO 23811
VOC HI-20	< 90% by weight	R.D. 117/2003
VOC HI-10	< 730 g/L . EU maximum permitted value: 750 g/L.	2004/42/II A classification (h)

Drying times	Touch-drying	5-10 minutes
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Repainting time	6 hours
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Dilution	Ready to use
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Diluent	TKROM Solvent 350 Chlorinated Rubber/TKROM Solvent 302 Univ.
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Cleaning	TKROM Solvent 302 Universal
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PREPARATION OF THE SUBSTRATE

GENERAL

Outdoors, do not apply if rain is expected, in full midday sun or on humid days.

CEMENT SCREEDS AND MORTARS, GYPSUM AND ITS DERIVATIVES, BRICK WALLS, ETC.

Wait until the substrate has completely set and dried (4 weeks). Clean the substrate of efflorescence, if any, and wait for it to dry. Clean the substrate of any foreign product.

If mould or verdigris is present, pre-treat the surface with TKROM Reinforcing Cleaner and then apply a coat of TKROM Sanitising-Sealing Primer. On excessively polished surfaces, sand to open the pores. Apply the necessary filler, such as powder filler or prepared filler. In any case, wait until dry and apply TKROM IMPREGNANTE HI-10 or HI-20 before and after puttying, if any.

CONDITIONS OF APPLICATION

Substrate Temp.	Min. + 5°C / Max. + 35°C
Ambient Temperature	5°C / 35°C
Rocio Point	The substrate temperature must be at least 3°C above the dew point to reduce the risk of detachment or efflorescence.

APPLICATION SYSTEM

APPLICATION SYSTEM	PRODUCT	PERFORMANCE	DILUTION	LAYERS
PRIMING	TKROM IMPREGNANTE HI-10	4-6 m ² /L - 5-7 m ² /kg (30 micron dry)	0-50% depending on application system	1 o 2
	TKROM IMPREGNANTE HI-20	10-12 m ² /L - 11-13 m ² /kg (30 microns dry)	0-50% depending on application system	1 o 2

RECOMMENDATIONS FOR IMPLEMENTATION

Product preparation: Stir until the product is well homogenised. Stir again periodically. Adjust viscosity. In long processes evaporation will occur, readjust viscosity.

Method of application: Very high quantities of product can form a compact film, which would make it difficult for the adhesion of the successive coats paints, if any; on the other hand, excessive dilution would lead to a poor application of the impregnating agent, which would make the application difficult, reducing the anchoring capacity of the finish.

It can be applied by brush, roller, airbrush and airless spray gun directly on any of the above-mentioned substrates, which must be sanded, cleaned and degreased.

It must be diluted in each case according to the substrate and the desired effect on it. The appropriate amount of thinner will vary and for vertical substrates, it should be adjusted so that the product, once dry, leaves a contrasting patina on the treated surface.

Never apply at times of high sunlight, rain or high humidity. For floors, it is normal to apply coats undiluted, as the aim is to give hardness. In some cases it may be possible to apply a diluted coat followed by another in use.

Of the two solvents recommended in the previous section, one should be used in the case of high temperatures and slower evaporations are needed. If the ambient temperature is low, use TKROM SOLVENT 302.

For application by brush or roller dilute the product with 0-20-60%, according to need. For application by spray gun or airless, dilute the product with 40-100%.

ADDITIONAL DATA

Health and safety For any information concerning safety issues in the use, storage, transport and disposal of this product, users should refer to the labelling and the most recent version of the MSDS, which contains physical, ecological, toxicological and other relevant data. WASTE: NON-HAZARDOUS. LER CODE: 080112

Storage The stability of the product in its original unopened containers, at ambient temperatures of not more than 30 °C and not less than 5 °C shall be 12 months from the date of manufacture. Storage shall be in a cool, dry place, in their original containers, tightly closed, undamaged and protected from frost and direct sunlight.

Tariff heading TARIC code: 3208 20 90

Note Note: The data indicated in this technical data sheet may be modified according to possible variations in formulation and in any case express indicative values that do not exempt from carrying out the appropriate tests to check the suitability of the product for a specific job. For any doubts regarding the treatment of the surfaces mentioned above or for the painting of other specific materials not covered in this data sheet, consult the appropriate treatment with technical personnel accredited by the TKROM GROUP.