

Technical Data Shee	HI22**/00 WAX EFFECT WATERBORNE PROTECTIVE STAINS FOR EXTERIORS		
	Supersedes previous issue dated 11/10/10	DATE 03/13/13	
Colours:	HI2210/00 clear		
	HI2211/00 light walnut		
	HI2212/00 walnut		
	HI2213/00 dark walnut		
	HI2214/00 mahogany		
	HI2216/00 red		
	HI2217/00 larch		
	HI2218/00 cherry		
Areas of use Wooden items: door and window frame:	s, balconies, wood panelling, fences, poles,	etc.	
Methods of application Brush			
Mixing procedure Ready to use. If a lighter color is require	ed, blend with the clear version HI2210/00.		
Technical characteristics			
* Solids content (%):	22 ± 1		
* Specific gravity (kg/lt):	1,020 ± 0,030		
* Viscosity DIN 2 at 20°C (sec):	75 ± 5		

* Drying time (50 g/m² at 20°C):	touch dry	1 hr
	overcoating	4 hrs
* Spreading capacity (m²/kg):	15-20 per coat, de	pending on wood species
* Number of coats:	1 - 3	

N.B.: GUANTO I DATI E LE INFORMAZIONI RIPORTANO NELLA PRESENTE DOCUMENTAZIONE TECNICA CORRISPONDE ALLA NOSTRA ESPERIENZA. ASSICURIAMO MASSIMA GARANZIA SULLA CONTINUITA' DELLE CARATTERISTICHE CHIMICO-FISICHE DEI NOSTRI PRODOTTI ENTRO LIMITI DI TOLLERANZA ESPRESSI DALLE SCHEDE TECNICHE. IL RISULTATO FINALE SARA' SOTTO LA COMPLETA RESPONSABILITA' DELL'UTILIZZATORE CHE DOVRA' ASSICURARSI CHE IL PRODOTTO CORRISPONDA ALLE PROPRIE NECESSITA' IN RELAZIONE AGLI STRUMENTI APPLICATIVI, AI SUPPORTI UTILIZZATI ED ALLE CONDIZIONI AMBIENTALI DI APPLICAZIONE.



Product characteristics

HI22**/00 are wax effect waterborne wood stains which ensure wood decoration leaving its natural look unchanged (thin film). The special wax contained in the products gives excellent water-repellent properties. This also gives better stability to the coated item, ensuring additional protection against the disgregating action of water if compared to waterborne systems with conventional protective wood stain (for example HI20**/00).

For improved resistance to UV rays, instead of totally clear systems, we recommend colored versions, which contain iron oxide pigments (except for clear version).



- No aromatic and aliphatic solvents emissions
- Drastic reduction in solvents emissions
- Better color evenness
- Faster coating systems
- Water-thinnable

Use of product

Wood species

The most suitable timbers are spruce, pine, yellow pine, Douglas fir and hemlock, both untreated and treated with salts by autoclave process.

During impregnation phase, wood species such as oak, chestnut and iroko may suffer from problems of flow due to the removal of tannin compounds commonly present in these timbers by the waterborne stain.

Sanding of the bare wood

Waterborne products tend to raise the wood fiber and produce rough surfaces.

A thorough sanding is particularly important: 150 grit sanding is recommended.

Application on new timbers

The timber must be clean and well dried (approx. 10-14% of relative humidity).

Apply from 1 to 3 coats, depending on the degree of exposure, with an interval between coats of 4 hours max. For longer intervals, sanding of the substrate with 280 grit sandpaper is recommended. Some sanding is recommended on the last but one coat, in order to improve the appearance. The next day, after completion, if increased water-repellence is required, carefully brush the stain, for instance with sorghum.

For enhanced filler effect, overcoating with one coat of HI23**/00 is recommended. Maintenance is advisable after 1-3 years, depending on exposure. Prior sanding with 220 grit sandpaper is recommended.

Drying

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Drying of waterborne products must take place at temperatures above15°C and at a relative humidity not exceeding 85%. Out of these limits, there is a slowing down of the drying process. It is always advisable for drying to be forced, with air previously de-humidified and warm (28-30°C). In case the product is applied outside, avoid application in particularly humid (i.e. foggy) or cold days (less than 5-10°C).

Special Instructions

- * Stir products well
- * Make sure the can is well sealed
- * Store above 5°C and below 35°C
- * Do not pour waste down sinks, drains or sewers
- * Waste must be disposed of responsibly and in accordance with current legislation

WARNING: NATURAL RESIN ESCAPE.

Many timber species, especially conifers such as <u>pine, larch, Douglas fir and spruce</u>, contain large quantities of natural resin in capillaries and resin sacs near knots. It is virtually impossible to eliminate this or to use coatings to block it. Sooner or later the resin will escape, The only damage is to the appearance of the material and the quality of the film is not affected.

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