



1 Gal.



## DESCRIPTION

Single-component clear, non yellowing waterborne finish formulated with latest generation polyurethane resins, available in 10, 30 and 60 gloss versions. The high solid content combined with S-XL (Self Cross-Linking System) technology places SHIELD at the top in terms of resistance to abrasion, scratches and chemical agents, characteristics not common to any standard single-component finishes on the market. Formulated with special surface additives, SHIELD stands out for its exceptional resistance to scuff marks which, with the high transparency of the dried film, gives the wooden element an always clean and perfect appearance, in any situation, residential or commercial.

### TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 20°C (indicative values not constituting product specifications):

Dust dry (minutes)	20
Impression dry (minutes)	40
Overcoating without sanding (hours)	After 3, within 5
Dry for sanding (hours)	6/8
Light Traffic (hours)	16/24
Careful Use (days)	2/3
Completely Dry (days)	7
Degree of gloss – SHIELD 10 (gloss)	10
Degree of gloss – SHIELD 30 (gloss)	30
Degree of gloss – SHIELD 60 (gloss)	60
Taber Test (1000 revs., 1000 g, abrasive wheel CS10) (mg)	15
Application method	Roller 6 mm , brush
Average coverage per coat (g/m2)	80/100
Adhesion (checkering) (%)	100
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/ltr)	80
Max permitted dilution	10% Soluzione (drying improver)
To clean tools	W-cleaner – Solvente di lavaggio
Standard packaging (GAL)	4x1

## APPLICATION

Before proceeding with the application, the surface must be treated with a Vermeister waterborne sealer. Alternatively, the product can be applied as a first coat. Mix the product well and apply a first, even coat. To ensure the application is uniform, the first coat should be applied against the grain and then crossed and spread in the direction of the grain of wood. After 8 hours, the floor can be sanded with an abrasive sandpaper (180-220 grit), vacuumed and then coated again with the same product.

## MAINTENANCE

For the maintenance of coated floors use only DETERGENTE NEUTRO and/or IDRONET. Do not use alcohol, ammonia or detergents for hard surfaces. For further details, see the MAINTENANCE SHEET.

## NOTES

The application of single component waterborne products on solvent based sealer and finishes may lead to separation if the sanding operation is carried out too lightly. In these cases, use of Vermeister two component waterborne finishes is recommended. If the product is used on exotic and/or little known woods, it is always advisable to carry out preliminary tests as in some cases (e.g. on IPE LAPACHO) the application of waterborne finishes directly on the wood or on primers that are not perfectly insulating, may cause a considerable reddening of the film. Do not apply the product below 10°C or above 30°C. Do not replace any leftover product in the container! Mix well before use – Store above freezing.



# TECHNICAL DATA SHEET



1 Gal.

**DRY FOR SANDING:** interval before the floor is ready for sanding  
**LIGHT TRAFFIC:** interval before several people can walk on the floor.  
**CAREFUL USE:** interval before the floor is ready for moderate use.  
**COMPLETELY DRY:** interval before the floor is ready for complete use: e.g. for furniture removal, to allow other craftsmen to carry out work, to start maintenance of the floor, etc.

Safety precautions. Keep the product in a tightly closed, upright container in a cool place away from sources of heat. The product is classified and coded in compliance with EC Directives/regulations concerning hazardous substances. The information for the user is given in the relevant safety sheet. Empty containers or those containing slight traces of the product must be disposed of in accordance with local regulations. VerMeister S.p.A. guarantees that the details given in this sheet are provided to the best of the company's technical-scientific knowledge and experience; however, the company cannot be held responsible in any way for the results obtained with the products as the conditions of application are beyond the company's control. It is always advisable to check the suitability of the product to each specific circumstance. This sheet cancels and replaces all previous editions.

