



TECHNICAL DATA SHEET

ZERO VOC

Single-two component waterborne finishing treatment for wood floors



5 Lt - 0,35 Lt BOOST



DESCRIPTION

Polyurethane waterborne finishing treatment completely solvent-free. ZERO VOC can be used both as a single component or, after the addition of ZERO VOC BOOST as a two-component treatment. Produced with renewable raw materials, ZERO VOC is ideal for use in green building and when applied directly, it leaves the shade of wood unaltered and provides a very natural effect. The treatment cycle consists in the application of a first coat of product as it is, directly on the wood. After at last 3 hours, (the product dries completely according to environmental conditions) and after a light sanding (from 180 grain upwards), apply the second coat of single component or two component if catalyzed with about 7% of the special ZERO VOC BOOST (which is also free of VOCs and hazard labels). Apart from the absence of solvents, the other considerable advantage of ZERO VOC is that if any leftover product mixed with its specific CROSSLINKER is placed in a separate perfectly sealed container, it has a POT-LIFE of up to 7 days. This enables the product to be re-used within a few days from mixing without leaving any residue to be disposed of, in full respect of the environment. Once this time limit has been exceeded, the increased performance due to the CROSSLINKER will gradually decrease over time and the catalysis can be repeated if a high performance is required. Excess ZERO VOC BOOST (over 7%) will delay the complete drying of the finish quite considerably.

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

Dust dry (minutes)	20
Impression dry (minutes)	35
Dry for sanding (hours)	3/5
Overcoating without sanding	Not recommended
Light Traffic (hours)	8/16
Careful Use (days)	2/3
Completely Dry (days)	10
Dry for sanding with Crosslinker - 506382 ZERO VOC BOOST (hours)	12/16
Light Traffic with Crosslinker - 506382 ZERO VOC BOOST (hours)	24/36
Careful Use with Crosslinker - 506382 ZERO VOC BOOST (days)	3/5
Completely Dry with Crosslinker - 506382 ZERO VOC BOOST (days)	10
Degree of gloss - ZERO VOC X-MATT (gloss)	15
Degree of gloss - ZERO VOC 30 (gloss)	30
Degree of gloss - ZERO VOC 60 (gloss)	60
Taber Test (1000 revs., 1000 g, abrasive wheel CS10) (mg)	35
Taber Test (1000 revs., 1000 g, abrasive wheel CS10) with Crosslinker - 506382 ZERO VOC BOOST (mg)	25
Application method	Roller (synthetic fibre 6 mm), brush
Average coverage per coat (g/m ²)	90/110
Adhesion (checkering) (%)	100
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Calculated VOC (g/lit)	< 5.8
Calculated VOC with Crosslinker (g/lit)	< 5.8
Max permitted dilution (EC Dir.2004/42)	Water max 5%
To clean tools	Water - W-Cleaner
Standard packaging (Lt)	2x5
Standard packaging ZERO VOC BOOST (Lt)	1x0.35 (q.ty for 5 litres of ZERO VOC)

APPLICATION

Sand and fill the floor using a 120/150 grit to finish. For the filling Vermeister binders for solvent based fillers or waterborne binders can be used. It is very important to apply a first, even and abundant coat of ZERO VOC (about 100/110 g/sq. m.) with a roller or a brush. On rough wood, a smaller quantity than that recommended should be applied when the temperature is high and/or the humidity is low; with the natural absorption of the finish by the wood, greater coverage may be visible in correspondence with the lapmarks. According to environmental conditions, after about 3 hours, sand with a fine grain (180/220) and remove all the residue





dust. Apply the finishing coat in the same way as described previously. For those places subject to heavy traffic (shops, offices, living rooms) we recommend use of the cross-linking agent ZERO VOC BOOST in quantities of 7% also in the first coat as it greatly improves resistance to abrasion and to staining.

MAINTENANCE

The maintenance of floors treated with ZERO VOC must only be carried out using DETERGENTE NEUTRO and/or IDRONET. Do not use alcohol, ammonia or detergents for hard surfaces. For further information see the MAINTENANCE SHEET.

NOTES

A "fresh on fresh" application is not recommended. The addition of ZERO VOC BOOST prolongs the drying time of the finish: FOLLOW THE RATIOS FOR USE (MAX 7%). The application of the product on solvent based primers and finishes could cause separation. The floor is ready for traffic after 36/48 hours. If the product is used on exotic and/or little known woods, it is always advisable to carry out some preliminary tests as in some cases (e.g. on IPE LAPACHO) the application of waterborne products may cause a considerable reddening of the film. Do not apply the product under 10°C or over 30°C.

Stir well before use – Store above freezing.
Product subject to the restrictions prescribed by EC Dir.2004/42.

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.