TECHNICAL DATA SHEET

ZEROMONO

Single component silane-terminated adhesive

2 gal

DESCRIPTION

Single component silane-terminated adhesive of very high quality featuring with the exclusive PRHS technology (PERFECT RIDGE HEIGHT SYSTEM). As ZEROMONO does not contain water, solvents, isocyanates, epoxy or amino compounds or heavy metals (tin), the product does not bear any health or risk warnings or symbols.
ZEROMONO "has zero emissions", and complies easily with the strict limits set by the GEV EMICODE EC1 PLUS certification.
ZEROMONO offers excellent adhesion on all subfloors as well as a permanent elasticity. These characteristics make it the ideal adhesive for laying multi-layer pre-finished parquet and traditional solid wood floors of average sizes on any type of subfloor with or without underfloor heating. ZEROMONO does not affect the coating of pre-finished parquet and for this reason does not leave marks; the spreadability, the coverage and the resistance to water have been improved as well as the soundproofing qualities which guarantee a greater acoustic comfort of the environment.
Being certified EMICODE EC1PLUS, ZEROMONO may apply for the awarding of the EQ credit for Indoor Environmental Quality – Low-Emitting Materials of the new international certification standard LEED v4.

TECHNICAL DATA CHEMICAL-PHYSICAL CHARACTERISTICS at 65°F (indicative values not constituting product specifications):	
Open time (minutes)	45-60
Open time (minutes)	100-120
Tensile strength UNI EN 17178:2020 (N/mm^2)	> 1,5
Elongation (%)	> 200
Temperature resistance (°F)	From -40 to +194
Ready for traffic (hours)	24
Interval before sanding (days)	4
Application method	Trowel
Average coverage (sq.ft./gal)	65/85
Stability and storage (in original, unopened containers stored in a cool, dry place) (months)	12
Standard packaging (gal)	2

APPLICATION

For lasting and effective adhesion, the subfloor must satisfy the following requirements:
- in accordance with the NWFA "GUIDELINES", the emission of moisture through the subfloor should not exceed 3lbs/1000sf/24hr (Calcium Chloride Test - ASTM F1869) or 75% RH (Relative Humidity Testing - ASTM F2170) or 2.5% CM (Calcium Carbide Test - ASTM (modified) D4944, Milspec CRD-C154-77);
-absence of hygroscopic lightening material in the screed and adequate insulation if these materials are contained in the underlying layers;
-suitable surface finish, not too "rough" and not too smooth;
-absence of crumbling or flaking parts;
-absence of moving cracks or other obvious faults.

Before laying the floor, it is also necessary to check that the moisture of the wood, always in accordance with the NWFA "GUIDELINES", corresponds with that of the environment. Apply ZEROMONO using a suitable trowel, taking care to "work" in any impurities on the subfloor that could cause separation. Lay the planks applying pressure and tapping them to allow them to settle properly. This operation is very important for all types of glue, but in the case of this category of adhesives, it is essential. Do not wet the ends or the sides of the planks with ZEROMONO. To lay wood floors on pre-existing floors, the surface must be degreased and roughened using appropriate metal scraper pads. To lay the wood floor on anhydrite screeds, the top surface must be removed using abrasive disks (16 or 24 grit), the dust removed and the treatment completed using Vermeister single component polyurethane or two component epoxy primer or nanostructured acrylic primer. The same procedure (with the exception of the removal of the top surface which must only be carried out if really necessary) also applies for all screeds made with pre-mixed self-levelling cement mortar, to reduce their power of absorption which could compromise the hardening of the adhesive. Before smoothing and finishing the floor, it is usually necessary to wait at least 4 days, under normal circumstances. This interval may be longer as a result of numerous factors (environmental temperature and humidity, the type of wood, etc.). Partially used containers must be covered with the special anti-oxidising under cap. The presence of a thin layer of hardened adhesive does not compromise the characteristics of the underlying adhesive.

NOTES

If the product is stored for long periods at temperatures above 86°F, the stability time is shorter; at temperatures of over 104°F thickening may occur. Do not apply the product below 50°F or over 86°F.Product for professional use.
Store above freezing.

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