



## TECHNICAL DATA SHEET

# ZERO %

Two component epoxy polyurethane (9:1) adhesive



10 Kg (9 + 1)



### DESCRIPTION

A new generation two component epoxy polyurethane solvent and water free adhesive for gluing wood flooring of any size on concrete subfloors, including heated ones and on non-absorbing surfaces (ceramic tiles, stoneware, marble, etc.). It is also ideal for laying pre-finished wood floors and planks. A real evolution: ZERO% asserts itself in a new version with an improved rheology making it easier to spread and leading to a perfect hold of the peak. ZERO% is outstanding for the fact that it is almost insensitive to changes in temperature (seasonality), completely odour-free both before and after mixing and offers excellent hold and wettability under any environmental condition. The coverage has also been greatly improved. The high coefficient of elasticity after hardening completes the features of the ZERO% revolutionary adhesive together with its unbeatable characteristics of adhesion and toughness.

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

Catalysis ratio A:B (weight)	9:1
Pot-life (hours)	2
Open time (hours)	1
Tensile strength UNI EN 14293 (N/mm <sup>2</sup> )	> 6,0
Elasticity (mm)	> 1,4
Pull off (Kg/cm <sup>2</sup> )	> 70
Ready for traffic (hours)	24/48
Interval before sanding (days)	3
Application method	Trowel
Average coverage per coat (g/m <sup>2</sup> )	900/1400
Stability and storage (in unopened containers stored in a cool, dry place) (months)	12
Standard packaging comp. A (Kg)	9
Standard packaging comp. B (Kg)	1

### APPLICATION

For lasting and effective adhesion, the subfloor must satisfy the following requirements:

- moisture below or equal to 2% measured in depth with a carbide hygrometer;
- 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 corresponds with that of the environment. Mix component B and pour it into component A. Mix carefully with an electric mixer. Apply ZERO% using the special scratcher 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. Do not wet the ends or the sides of the planks with ZERO%, but use a Vermeister single component vinyl adhesive for this procedure. In this case it is also essential not to glue along the sides of the planks. 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 grain), the dust removed and the treatment completed using Vermeister single component polyurethane or two component epoxy primers. 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 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 3 days, under normal circumstances. This interval may be longer as a result of numerous factors (environmental temperature and humidity, the type of wood, etc.). Although ZERO% does not contain water, before proceeding with the finishing it is necessary to measure the moisture of the wood which must correspond with that of the environment and should be between 8 and 12%. Any residue of fresh adhesive on pre-finished wood floors can be removed during laying using our CLEANER product, unless stated otherwise by the manufacturer of the flooring.

### NOTES

Do not apply the product below 10°C or above 30°C. Store above freezing.

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.