

Product name: **SOLIDZERO****XD 1100**

Description

SolidZero is a 2K water-based extra mat coating, particularly suitable for light woods.

Version

XD 1100 SolidZero.

Application possibilities

It can be used on raw wood or in order to restore already treated floors.

Peculiarities

It is an acrylic polyurethane resin-based coating highly resistant to wear, it is elastic and contains small quantities of solvent. It contains no dangerous substances for people and nature. Its special UV filters make it not yellowing and protect the natural colour of the wood.

Application instructions

Short haired paint roller, brush.

Product preparation

Dilute at 10% with the hardener Solid 2K. For the first coat, we suggest to dilute at 5-10% with SolidLongLife.

Certifications of dry film coating properties in coating system: 1 coat of SolidBase + 2 coats of SolidZero

Complying with high traffic regulations according the following standards:

- Resistance to abrasion UNI EN 15185
- Resistance to chemical agents UNI EN 13442
- Resistance to dirt UNI 9300

Certifications of dry film in coating system: 1 coat of SolidZero and one coat of SolidZero catalyzed at 10% with Solid2K

- Dry thickness - UNI EN ISO 2808
- Adhesion - UNI EN ISO 2409
- Resistances to cold liquids - UNI EN 13442
- Resistances to dirt- UNI 9300
- Surface hardness - UNI 10782
- Resistance to scratches - UNI EN 15186:2010
- Resistance to abrasion - UNI EN 15185:2011
- Resistance to jumps in temperature - UNI 9429/89

Chemical and physical features at 23°C

Appearance	Whitish liquid	Specific weight	[g/ml] 1,03 +/- 0,03
Colour	White (variable colour)	Chemical nature	Poliurethane aliphatic
Opacity	[gloss] 3 +/- 2	Viscosity	[s] (23°C; cup DIN hole 4) 23 +/- 5
pH	8 +/- 1	Viscosity of the catalysed coating	[s] (23°C; cup DIN hole 4) 26 +/- 5

Application specifics

Number of coats suggested	2-3	Application temperature	[°C] between +10 and +35
Quantity per coats suggested	[g/m²] min. 50; max. 120	Slight foot traffic	[hours] 4
First coat sandability	[hours] min. 6	Normal foot traffic	[hours] 24
Wait time between coats	[hours] 3-6	Livable after	[days] 3
Yield per two coats	[m²/lt] 6-7		

Surface preparation

Carefully clean the wood surface. Plaster the grout lines with SolidFiller blended with dust obtained from floor sanding. Once dried, sand the raw wood (grit 100-150 suggested) and clean it from grease, wax or glue. Clean the floor with a vacuum-cleaner before coating. If you paint a surface already coated, use a water insoluble colour in order to prevent the discoloration of the surface. On resinous, dark or particularly hardwoods (such as iroko, merbau, etc...) the use of the insulating water-based primer SolidBase is suggested, diluted at 10% with Solid2K for the first coat in order to improve the aesthetic result and the adhesion of the coating system.

Application instructions

Mix well in order to homogenize any eventual sediment on the bottom. Apply the product adding 10% of Solid2K while stirring and mixing vigorously for one minute. On dry wood and, in particular, in summer, dilute the first coat with 10% of water. Wait at least 12 hours before sanding with 120-180 grit, or with mechanical tools with sand paper grit 150-180. Vacuum-clean and then apply the second coat diluted at 10% with Solid2K. If needed, apply a third coat, without sanding, waiting 3-4 hours between coats. It is possible to walk carefully on the coated surface after 16 hours. The right hardness can be reached in one week. It is preferable to wait at least 72 hours from the last coat application before putting furniture inside of the coated space.

Catalysis

After the catalysis, apply it within 4 hours maximum (3 hours during summer). After that time it is necessary to prepare it again.

Suggested coating systems

In order to preserve the colour of light woods, apply two or three coats of SolidZero following the pertinent application instructions. On dark woods or to obtain a colour change similar to the one of a solvent coating system, apply one or two coats of SolidBase (see the product technical sheet) and one or two coats of SolidZero, following the pertinent application instructions.

Application conditions

Ambient temperature. Apply between 10°C and 35°C. The right temperature is between 15°C and 25°C.

Ambient humidity between 40% and 80%.

Foundation humidity. Minimum content allowed = 10% measured with hygrometer.

Preexisting wooden surfaces

After checking the right glueing of the floor to the base, sand it in order to remove the coated or polished surface film and vacuum-clean the surface.

Cleaning of pre-finished wood floors previously coated with SolidZero

From not dried adhesive traces: remove carefully the adhesive with a cleaned cloth, wadding or soft paper. If the surface looks altered, lightly blot with a cleaned cloth or with wadding dampen with SolidClean. From dried adhesive traces: remove carefully with a nail or a piece of rigid plastic the eventual imperfections. Never use blades, metal or sharp-cornered objects. If the surface looks altered, lightly blot with a cleaned cloth or with wadding dampen with SolidClean. Always test beforehand any other cleaner in order to verify the compatibility with the wood floor surface, using a wooden board, in order to prevent surface damages.

Tools cleaning

Clean every tool immediately after use. The product can be easily removed with water from the paint roller or the brush (if not already dried).

Waste disposal

The exceeding and useless material, along with the washing water must be disposed of as special waste. Do not empty into drains.

Personal protective equipment

Wear protective rubber, latex or polyethylene gloves. It can release in the air small amounts of solvent. Please, ventilate the room during the application.

Packaging

5 L tanks.

Storage

The product keeps unaltered its features throughout 18 months if stored inside its original packaging, hermetically sealed, at 23°C.

Do not store in damp or wet places at temperatures exceeding 35°C.

Packaging recycling

The plastic packaging must be recycled in the right dumper or recycling point (according to the local garbage collection). Please, check if the packaging is empty and dry, with the minimum possible product quantity inside.

Warnings

Data and information inside this Technical Sheet represent our current best knowledge and experiences and cannot be used as a warranty due to the diversity of materials existing on the market and the difficult monitoring of application conditions.

The final user must check if the product corresponds to his own needs in relation to application tools, supports and environmental conditions of application and drying. In any case, Renner Italia S.p.A. guarantees the constant quality of its products. Renner Italia S.p.A. reserves the right to modify and update this technical sheet according to its own needs. Customers shall verify to own the updated version of this sheet.

CAREFULLY READ AND UNDERSTAND THIS TECHNICAL SHEET BEFORE USING THE PRODUCT