

### Description

SolidNature, SolidClassic and SolidCrystal are 2k water-based coatings for wooden floors, highly resistant to wear and suitable for any type of wood.

### Versions

XD 1105 SolidNature 5 gloss | XD 1120 SolidClassic 20 gloss | XD 1150 SolidCrystal 50 gloss.

### Application possibilities

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

### Peculiarities

They contain no dangerous substances for people and nature. Their special UV filters make them not yellowing and protect the natural colour of the wood. These coatings are polyurethane resin-based, elastic, non-yellowing.

### 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 or properties of dry film coating properties in 2K coating system: 1 coat of SolidBase + 2 coats of SolidClassic

Complying with high traffic regulations according the following standards: Resistant to abrasion UNI EN 15185 | Resistant to chemical agents UNI EN 13442 | Resistant to dirt UNI 9300

### Certifications of dry film coating properties in coating system: 1 coat of XD11XX, catalyzed at 10% with Solid2K

Surfaces for sports areas - UNI EN 14904

### Chemical and physical characteristics at 23°C

Appearance	Whitish liquid
Colour	White-amber (variable colour)
Opacity	[gloss] Nature: 5 +/- 2   Classic: 20 +/- 3   Crystal: 50 +/- 5
pH	8 +/- 1
Specific weight	[g/ml] 1,03 +/- 0,03
Chemical nature	Poliurethane aliphatic
Viscosity	[s] (23°C; cup DIN hole 4) 23 +/- 5
Viscosity of the catalysed coating	[s] (23°C; cup DIN hole 4) 26 +/- 5

### Application specifics

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

### 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 hard woods (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 homogeneize 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 150-220 grit, or with mechanical tools with sand paper grit 180-240. 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 the first coat of SolidZero following the pertinent application instructions. To obtain a normal wood tone, apply one coat of SolidNature, SolidClassic or SolidCrystal 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 SolidNature, SolidClassic or SolidCrystal 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 SolidNature, SolidClassic and SolidCrystal**

From not dried adhesive traces: remove carefully the adhesive with a cleaned cloth, wadding or soft paper. If the surface looks altered, lightly blot up 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 nor sharp-cornered objects. If the surface looks altered, lightly blot up with a cleaned cloth or with wadding dampen with SolidClean. Always test beforehand any other cleaner in order to verify the compatibility with the wooden floor surface, using a wooden board, in order to prevent surface damages.

### **Tools cleaning**

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 inaltered 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.

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### **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