



SOLIDCRYSTAL

XD 1150

Description

SolidNature, SolidClassic and SolidCrystal are water-based 2k coatings for wood flooring, extremely resistant to wear and suitable for all timbers.

Versions

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

Application fields

Raw wood floorings, cork or restoration of already treated floorings.

Main features

They are elastic, low in solvents and free from harmful substances for the user and the environment thanks to their formula made from polyurethane resins. Their special UV filters make them non-yellowing and allow a good protection of the natural wood colour.

Application method

Roller, brush.

Product preparation

Catalyse the product at 10% with Solid2K hardener. During the first coat it is recommended to dilute it 5-10% with SolidLongLife.

Certifications or features of dry film in coating system: 1 coat SolidBase + 2 coats SolidClassic in 2k coating system

Complying with requirements for high foot traffic according to following standards:

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

Certifications of dry film in coating system: 1 coat XD 11XX, catalysed at 10% with Solid2K

Indoor multi-sport surfaces UNI EN 14904

Chemical-physical features at 23°C

Look	Whitish liquid	Specific weight [g/ml]	1,01 +/- 0,03
Colour	White (variable shade)	Chemical family	Polyurethane aliphatic
Gloss level [gloss] Nature Classic Crystal	5 +/- 2 5 +/- 2 50 +/- 5	Viscosity [s]	(23°C; DIN4) 23 +/- 5
pH	8 +/- 1	Viscosity of catalysed product [s]	(23°C; DIN4) 26 +/- 5

Caratteristiche applicative

Recommended coats	2-3	Application temperature [°C]	From +10 to +35
Recommended quantity per coat [g/m²]	Min. 50; max. 120	Light foot traffic [hours]	4
Sandability of first coat [hours]	Min. 6	Normal foot traffic [hours]	24
Drying time between coats [hours]	3-6	Livable [days]	3
Yield for two coats [m²/L]	6-7		

Substrate preparation

Properly clean the wood surface. Fill the grout lines with SolidFiller filler, mixed with wood powder from the sanding of the flooring. Once dry, sand the raw wood (grit 100-150 recommended), on which there shouldn't be traces of grease, waxes or glues. Vacuum-clean the flooring before coating it. If the application is on stained material, use water-insoluble pigments to avoid the discolouration of the pigment in the substrate. On resinous, dark and particularly hard timbers such as iroko, merbau, etc. it is recommended to use SolidBase primer catalysed at 10% with Solid2K as first coat, to improve the aesthetic result and the grip of the coating system.

Application instructions

Mix well to homogenize every product settling on the bottom. Add 10% of Solid2K to the product while stirring, mix it vigorously for one minute and then apply it. On dry wood and, in particular, in summertime, apply the first coat diluted 10% with tap water. Wait at least 12 hours before sanding with 150-220 grit sandpaper or with mechanical system equipped with 180-240 grit sandpaper. Vacuum-clean, add 10% of Solid2K to the product and apply the second coat. If required, apply the third coat without sanding after 3-4 hours from the previous one. The treated surface can be trodden carefully after 16 hours. The ideal surface hardness is reached within a week. We suggest to wait at least 72 hours from the application of the last coat before arranging furniture inside the treated space.

Catalysis

The pot life of the catalysed product is max. 4 hours (3 during summertime). After that time, the product should be catalysed again.

Suggested coating systems

Apply the first coat of SolidZero following the application instructions of the product, to obtain a shade more similar to natural wood colour. Apply one coat of SolidNature, SolidClassic or SolidCrystal following the application instructions to obtain a regular wood colour. Apply one or two coats of SolidBase primer (see TDS of the product) and one or two coats of SolidNature, SolidClassic or SolidCrystal following the application instructions on dark timbers or to obtain a change in wood colour similar to the one it can be obtained with a solvent-based coating system.

Application conditions

- *Room temperature.* Apply at temperatures between 10 and 35°C. The ideal temperature is between 15 and 25°C.
- *Relative humidity.* Ideal humidity for applying is between 40 and 80%.
- *Screed humidity.* Minimum accepted content = 10%, measured by hygrometer.

Already existing wood floorings

After checking the glueing of the flooring to the screed, sand to raw wood to remove the surface layer, coated or polished, and vacuum-clean the sanding powder.

Cleaning of prefinished wood flooring previously treated with SolidNature, SolidClassic and SolidCrystal

- *From traces of non-hardened adhesive:* gently and completely remove the adhesive with a clean cloth, cotton wool or soft paper. If the surface looks altered, lightly dab with a clean cloth or cotton wool dampened with SolidClean.
- *From traces of hardened adhesive:* gently remove any smears with your fingernail or a hard plastic cutout. Do not use blades or sharp, metal objects. If the surface looks altered, lightly dab with a clean cloth or cotton wool dampened with SolidClean. Always test any other cleaner to check the compatibility with the wood flooring surface, using an uninstalled panel, to avoid permanent alteration of the surface.

Tools cleaning

Before the product dries, it can be removed from roller/brush with water.

Disposal

The exceeding and unusable material and the washing water must be collected and disposed of as special waste. Under no circumstances may they be discharged into the drainage system.

Personal safety measures

Avoid the skin contact by using latex, rubber or polyethylene gloves. Minimal amount of solvents is released into the air during the use. It is a good general practice to ventilate the room during the use.

Packaging

5 L jerrycan.

Storage

The product maintains its features unaffected for 18 months if stored in the original, hermetically sealed packagings at 23°C. Avoid humid spaces and temperatures above 35°C.

Packaging recycling

The plastic packaging should be sent for recycling by dropping it off in the recycling bin or dumpster, or by delivering it free of charge to a separate collection point (depending on the municipal collection system). Make sure that the packaging is empty and dry, with as little product residue as possible.