ECOSTAR 2K

Two-component water-based polyurethane finish for wooden floors

¤ Description

ECOSTAR 2K is a two-component water-based polyurethane finish for wooden floors, characterized by high solid residue, easy to apply, high pore wettability even on brushed woods giving a warm and pleasant shade to the floor treated. ECOSTAR 2K has high abrasion and sole marks resistances allowing its use for high traffic surfaces. CERTIFICATIONS: SURFACE RESISTANCE TO COLD LIQUIDS EN 12720 AND CHEMICALS AGENTS EN 13442. Determination of the Coefficient of Friction of floors- B.C.R.A Method (cycle ECOPRIME HS 120 + ECOSTAR 2K)

¤ Characteristics

VOC %	max 20,00 %
VOC g/L	max 216,00
Mixture ratio	10/1
Application temperature	+50°F ÷ +77°F
Application	0,3 Inch microfiber roller / brush
Thinning (if necessary)	DILUENTE DR H20
Coverage	400-450 ft²/gal (380 ft²/gal for ECOSTAR 2K LD)
Dust dry	30' [1]
Fingerprint dry	2 h [1]
Pot-Life	2 h [1]
Sanding	24 h [1]
Overcoating without sanding	4 - 12 h [1]
Gloss level	LD: 80 gloss (*see note for ECOSTAR 2K LD), SL: 40 gloss, OP: 20 gloss, SUPER OP: 8 gloss [2]
Chemical and physical characteristics	excellent
Coating	excellent
Wood oxidation	light
	SLIDER 96 OP/SUPER OP: 65; LD/SL: 80
Storage stability	1 year [3]
Packaging	1,4 gal (1,3+0,1)
Tool cleaning	DILUENTE DNH 40 (with fresh product)

1   at 68°F and 65% R.H.
2   onto wet film of 90 micron hardened at 68°F and 65% R. H. for 7 days
3   in original sealed containers at temperatures between +50°F and +77°F

¤ How to use

Shake well before use.

ECOSTAR 2K, catalysed according to the indicated ratio and mixed thoroughly, has to be applied to filled, sanded and vacuumed wooden floors.

When working conditions are critical (hot temperatures, low humidity or large areas), it is advisable to add 5-10% of retardant DILUENTE DR H20 (see technical data sheet). Apply the finish evenly with a smooth flowing action avoiding accumulations and any risk of overlapping. A second coat of ECOSTAR 2K can be applied after 4 hours without sanding or after 24 hours with a previous light sanding using a 220/320 paper grit. During the application it is very important to apply the varnish along the wood grain.

A third coat of ECOSTAR 2K can be applied, following the previously mentioned guidelines. In order to achieve better results and higher softness to the touch, it is advisable to sand after each coat.

Very good results can be achieved by applying a first coat of ECOPRIME HS 120 (see technical data sheet), sanding and applying one or two coats of ECOSTAR 2K.

For a more intense coloration of the wood it is advisable to use as first coat ECOCROM (see technical data sheet).

In case of application of ECOSTAR 2K directly on wood with tannin content is advisable to make a preliminary test.

The maintenance of wooden floors treated with ECOSTAR 2K has to be done with VELUREX range of products (see technical data sheets).

ECOSTAR 2K LD.

SUGGESTED CYCLE: apply one coat of primer (ECOPRIME HS 120, ECOCROM, ECORAPID or FONDO WR 306, see relative technical data sheets) and two coats of 100g/m² of ECOSTAR 2K LD (follow above mentioned directions). If a lower quantity than 100 g/m² per coat is applied, the 80 gloss couldn't be achieved.

¤ Label elements

· For more information about the safe use of the product it is recommended to consult the latest version of the Safety Data Sheet.

¤ Web link

Be sure to have the latest version of this technical data sheet downloadable also from the following link:

http://www.chimiver.com/tds/US_ECOSTAR_2K.pdf

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