

# ECOSTAR 2K

**Two-component water-based polyurethane lacquer for wooden floors**



## Description

ECOSTAR 2K is a two-component water-based polyurethane lacquer 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 12720:2009 AND CHEMICALS AGENTS EN 13442:2002.

Determination of the Coefficient of Friction of floors- B.C.R.A Method (cycle ECOPRIME HS 120 + ECOSTAR 2K)

## Characteristics

Mixture ratio	10/1
Application temperature	+10°C ÷ +25°C
Application	roller / brush
Thinning (if necessary)	DILUENTE DR H20
Coverage	60-80 g/m <sup>2</sup> (100 g/m <sup>2</sup> for ECOSTAR 2K LD)
Dust dry	30' <sup>(1)</sup>
Fingerprint dry	2 h <sup>(1)</sup>
Pot-Life	2 h <sup>(1)</sup>
Sanding	24 h <sup>(1)</sup>
Overcoating without sanding	4 - 12 h <sup>(1)</sup>
Gloss level	LD: 80 gloss (*see note for ECOSTAR 2K LD), SL: 40 gloss, OP: 20 gloss, SUPER OP: 8 gloss <sup>(2)</sup>
Chemical and physical characteristics	excellent
Coating	excellent
Wood oxidation	light
Storage stability	1 year <sup>(3)</sup>
Packaging	5,5 L (5+0,5)
Tool cleaning	DILUENTE DNH 40

- 1 at 20°C and 65% R.H.
- 2 onto wet film of 90 micron hardened at 20°C and 65% R. H. for 7 days
- 3 in original sealed containers at temperatures between +10°C and +25°C

## How to 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 grit paper. 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 colouration 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 recommendable to run a prior 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/m<sup>2</sup> of ECOSTAR 2K LD (follow above mentioned directions). If a lower quantity than 100 g/m<sup>2</sup> per coat is applied, the 80 gloss couldn't be achieved.

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## Safety and risk information

Comp.A	LD	· Safety data sheet available on request.
Comp.A	SL, OP, SUPER OP	· Causes serious eye irritation. · Wash thoroughly with water after use. Wear protective gloves / protective clothing / eye protection / face protection. · IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. · If eye irritation persists: Get medical advice / attention.
Comp.B		<p>· Harmful if inhaled. · May cause respiratory irritation. · May cause an allergic skin reaction. · Harmful to aquatic life with long lasting effects.</p> <p>· Contains isocyanates. May produce an allergic reaction. · Contains HEXAMETHYLENE-DI-ISOCYANATE. May produce an allergic reaction.</p> <p>· Contaminated work clothing should not be allowed out of the workplace. · Avoid release to the environment. · Wear protective gloves / protective clothing / eye protection / face protection. · IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. · Call a POISON CENTER or doctor / physician if you feel unwell. · Store in a well-ventilated place. Keep container tightly closed.</p> <p>Contents: ALIPHATIC POLYISOCYANATE; HEXAMETHYLENE-1,6-DIISOCYANATE HOMOPOLYMER; Cyclohexyldimethylamine; HEXAMETHYLENE-DI-ISOCYANATE;</p>

## 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/EN\\_ECOSTAR\\_2K.pdf](http://www.chimiver.com/tds/EN_ECOSTAR_2K.pdf)

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