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Technical Datasheet

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ECOSTAR NO LIMITS

Multi-purpose water-based lacquer with optional additives for wooden floors



Description

ECOSTAR NO LIMITS is a latest-generation multi-purpose polyurethane coating with optional additives for wooden floors, characterized by a high solids content, extremely low VOC content, easy application and excellent pore wetting, even on brushed wooden floors, providing the surface with a clear and transparent appearance. ECOSTAR NO LIMITS offers excellent resistance to abrasion, foot traffic and rubber marks.
ECOSTAR NO LIMITS is EC1 PLUS certified. The product is suitable for use in projects compliant with LEED®, BREEAM® and WELL protocols and meets the Italian Minimum Environmental Criteria (CAM). S-Card with complete technical mapping available.
ECOSTAR NO LIMITS is ECOLABEL certified (www.ecolabel.eu), the European environmental quality label that demonstrates a company's commitment to the environment.
By using the AD-K, AD-FIRE and AD-GRIP additives (see the relevant technical data sheets), additional performance can be achieved in terms of resistance, together with certified fire reaction properties, suitability for sports surfaces and anti-slip properties, in compliance with European standards and with EN 14904, EN 13501-1 and EN 16165:2021 Annex B.
By adding AD-KN to ECOSTAR NO LIMITS SUPER OP, a natural and anti-reflective effect is obtained.

Characteristics

Application temperature	+10°C ÷ +25°C
Application	8 mm microfiber roller / brush
Thinning (if necessary)	DILUENTE DRH2O
Coverage	80-100 g/m²
Dust dry	40' (1)
Fingerprint dry	2 h (1)
Sanding	12 -24 h (1)
Overcoating without sanding	2-4 h (1)
Gloss level	SL: 50 gloss; OP: 20 gloss; SUPER OP: 10 gloss (2)
Chemical and physical characteristics	excellent
Coating	excellent
Wood oxidation	light
Storage stability	1 year (3)
Packaging	5 L
Tool cleaning	DILUENTE DNH 40 (with fresh product)

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

Shake well before use.

ECOSTAR NO LIMITS is a ready-to-use coating and must be applied to wooden floors that have been previously filled, sanded and thoroughly vacuumed. A second coat of ECOSTAR NO LIMITS can be applied 2-4 hours after the first coat without sanding, or after 12-24 hours after sanding with 220 grit abrasive paper or mesh.

If a third coat is required, follow the same application times indicated above. However, sanding after each coat is recommended to obtain a more uniform surface appearance and a "softer" feel. In coating systems consisting of a primer and a finish, the use of single-component water-based primers, CROM or ECORAPID (see the relevant technical data sheets), followed by ECOSTAR NO LIMITS as the finishing coat, is recommended.

In coating systems using two-component primers, such as PRIME HS 120 and PRIME HS 120 CROM, ECOSTAR NO LIMITS must be additivated with AD-K.

Routine and/or extraordinary maintenance of floors treated with ECOSTAR NO LIMITS must be carried out using products from the VELUREX range (see the relevant technical data sheets).

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/EN_ECOSTAR_NO_LIMITS.pdf

These information are given from the best of our knowledge and technical experience. They are of general character and not binding in any way our company. Every single case should be put to a pratical test by the user who assumes the full responsability of the final result of his work.

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