

IDROSOL **Acrylic waterborne topcoat**

GENERAL CHARACTERISTICS	Acrylic waterborne topcoat, resistant to industrial and urban outdoor environment. Without yellowing. Maintains glossy appearance also after long UV exposure.
APPLICATION FIELDS	Finishing topcoat for the intumescent coatings CHAR 21 and CHAR 22 on wood and steel parts of building and carpentry. Application by brush, roller or spray systems. Finishing topcoat: medium-high gloss type.
DENSITY	1.3 ± 0.1 Kg/dm ³
STANDARD PACKING	2.5 L, 15 L
STORAGE	12 months in original packaging. Avoid temperatures higher than 40 °C and direct exposure to sunlight. <u>Keep from freezing.</u>
SPREADING RATE	200-250 g/m ² per 2 coats, or 5-6 m ² /L of surface covering
COLOURS	White, see shade card or order on request
DILUTION	with water: first coat up to 10%, second coat up to 5% for brush or roller application, 10 % for spray application.
SUGGESTION	Optimal application is by brush, short hair roller or by air-mix spray. The latter technique gives better gloss and flow.
IMPORTANT	Follow instructions on technical and safety datasheets.

PHYSICAL PROPERTIES

Drying - touch	2 hours at 20 °C and 60 % RH
Overcoating	after 12 hours at 20 °C and 60 % RH
Drying - complete	24 hours at 20 °C and 60 % RH
Minimum application temperature	10 °C
Maximum application temperature	40 °C
Solid content	50 % ± 5 by weight

PROPERTIES

The acrylic waterborne topcoat IDROSOL is resistant to outdoor environment and show minor yellowing in comparison to conventional alkyd enamels. It is suitable for indoor use because of low VOC content and low odour. Differently than conventional alkyd enamels doesn't turn yellow in dark environment. Applied over CHAR 21 or CHAR 22 forms a coating system with environmental resistance class Y according to ETAG 018.

APPLICATION

Substrate preparation: finishing coat must always be applied over a perfectly dried intumescent coating layer. Substrate must be free of loose particles, rust, oils, fats and dust.

Stir the product thoroughly and mix the settled portion or bouyant liquid. Formation of a soft sediment which can be easily dispersed by stirring is normal.

Stir the product thoroughly and mix the settled portion or bouyant liquid, if any.

Typical application consists of two coats applied at 24 hours interval. Apply by brush or roller and cross coats. Do not overwork the product and not exceed in repeated brush passages to avoid brush marks. Verify to avoid sagging. Optimal application is by spray with crossed coats.

Though based on the results of long term tests and experience the present information is given as a guide only as utilization and operating conditions are extremely variable. We cannot accept any liability for use of the product that must be verified by the user. Accurate preliminary testing is highly advisable to obtain full advantage of this product. Call in our technical department for any further information you may need.

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