

PRODUCT DATA

ANTI-CONDENSATION COATING 5090

DESCRIPTION

RUST-OLEUM Anti-Condensation Coating 5090 is a water absorbing coating based on a water-based acrylic polymer. The product contains a non-leaching fungicide to prevent mould growth.

RECOMMENDED USES

RUST-OLEUM Anti-Condensation Coating 5090 should be used on ceilings and the upper parts of walls.

RUST-OLEUM 5090 is intended for, 1 coat, airless application. The product can also be applied by brush or roller, 2 -3 coats, resulting in a textured finish.

RUST-OLEUM 5090 can be used where discontinuous steam or water vapour formation occurs, in order to prevent condensation and dripping. 1 Litre product will, after drying, absorb at least 400 grams of water.

Old coatings should be humidity resistant. If not, remove or seal with RUST-OLEUM Grey Primer 5980. When applied on steel the surface should be primed with RUST-OLEUM 5980 Grey Primer. For galvanized steel the surface should be primed with RUST-OLEUM 5980 Grey Primer. Approvals: Mould Resistance by Itec . Absorption by Ceripecc

TECHNICAL DATA

Appearance: Flat
Colour: Off-White
Density: 1.22 kg/l
Solids Content: 27% by volume
Viscosity: > 140 KU / Krebs Stormer Units at 20°C
Recommended film thickness: 200 µm dry, equals 740 µm wet

VOC-content: 57 g/l max.
Ready-to-use mixture: 57 g/l max.
Category: A/i
EU Limit values: 140 g/l (2007) / 140 g/l (2010)

Drying times	20°C/50% r.h.	10°C/60% r.h.	30°C/50% r.h.
To touch:	1 hour	6 hours	1 hour
To handle:	2 hours	8 hours	2 hours
To recoat:	After 5 hours	After 48 hours	After 4 hours
Full hardness	3 days	6 days	2 days

Heat resistance: 50°C (dry heat)

Coverage

Theoretical: 5.4 m²/l at 50 µm dry
Practical: Practical coverage depends on many factors such as porosity and roughness of the substrate and material losses during application.

SURFACE PREPARATION

New concrete or brick surfaces should cure and dry for at least 30 days prior to application of the coating. Repair surface defects of (coated) concrete or brick surfaces. Remove grease, oil and all other surface contaminations by alkaline or high pressure (steam) cleaning. Scrape and wire brush carefully to remove deteriorated coatings. Sand previous coatings which are in good condition to remove gloss and to roughen the surface slightly. The surface may be slightly damp during application.

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DIRECTION FOR USE

To ensure homogeneity, coating materials should be thoroughly stirred prior to use.

APPLICATION & THINNING

Brush/Roller: Up to 5 vol. % water.
Use a distemper brush and/or a medium nap (10-15 mm), polyamide roller. For textured surfaces use long nap 14-18 mm rollers.

Air-atomised spray: Not recommended.

Airless spray: If required up to 5 vol. % water.
Pneumatic and electric airless equipment.
Tip size: 0.018-0.024 inch (use reverse tips).
Fluid pressure: 130 - 200 bar.
Check wet film thickness, avoid excessive film thickness.

Cleanup: Use water and soap.

APPLICATION CONDITIONS

Temperature of air, substrate and coating material between 5 and 35°C and relative humidity below 85%. The substrate temperature must be at least 5°C above dew point.

REMARKS

Maximum dry film thickness per coat: 500 µm dry, equals 1850 µm wet. In order to restore absorptive properties, only clean the completely dry surface with cold water and liquid detergent with low pressure, followed by rinsing with plenty of fresh water.

SAFETY

Consult Safety Data Sheet and Safety Information printed on the can.

SHELLIFE / STORAGE CONDITIONS

4 years from date of production in unopened cans, if stored in dry, well ventilated areas, not in direct sunlight at temperatures between 5° and 35°C.

Keep from freezing. Freezing will irreversibly affect the product.

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