Technical Datasheet

ISOMAT FLOORCOAT

Water-based floor paint with acrylic and polyurethane resins

Description

ISOMAT FLOORCOAT is a hybrid water-based paint based on acrylic and polyurethane resins for light-traffic floors. Features high resistance to UV rays, weather conditions, and cleaning with mild detergents. Specially formulated to protect the paint film against fungal and algae growth. Offers great workability and flow. Dries quickly to a satin finish. Low-odor. Available in white and a wide range of colors through ISOMAT COLOR SYSTEM.
Certified according to EN 13813 and classified as a SR-B2,0-AR0,5-IR4. CE marked.

Fields of application

ISOMAT FLOORCOAT is used on concrete, cement screeds, pavements, sidewalks, terrazzo, asphalt, etc. Suitable for light-traffic interior and exterior floors, including domestic garages, storage rooms, courtyards, sports courts, etc.

Technical data

Colors:	white and wide range of colors through ISOMAT COLOR SYSTEM
Viscosity:	115 ± 7 KU
Density (white):	1.24 ± 0.03 kg/l
Drying time: (touch dry)	~ 50 min (+23°C, 50% RH)
Recoat time:	5-7 h, depending on the weather conditions
Walkability:	1 day (+23°C, 50% RH)
Final strength:	7 days (+23°C, 50% RH)
Adhesion: (EN 1542)	≥ 2.0 N/mm^2
Abrasion resistance: (EN 13892-4 (BCA))	AR 0.5
Elongation at break: (EN ISO 527-3)	~ 200%
Tensile strength: (EN ISO 527-3)	> 4.0 MPa

Cleaning of tools:
Tools should be cleaned with water immediately after use.

Direction for use

1. Substrate preparation
The substrate must be dry (moisture < 4%), free of grease, loose particles, dust, or other contaminants that could compromise adhesion and protected from underneath moisture attack. Any existing imperfections should be repaired with appropriate materials.

2. Priming
Cement-based substrates should be primed with the high-penetration, acrylic water-based FLEX-PRIMER in one coat. ISOMAT FLOORCOAT is applied after 2-3 hours, depending on the weather conditions and provided that the primer has dried.

Substrates with very low absorbency, such as asphalt, should be primed with the water-based epoxy primer EPOXYPRIMER-500, thinned with water up to 30% by weight.
Consumption of EPOXYPRIMER-500: 150-200 g/m^2.

ISOMAT FLOORCOAT should be applied within 24-48 hours from priming as soon as moisture content falls below 4%.

3. Application – Consumption
ISOMAT FLOORCOAT should be thoroughly stirred before use. It is applied as is or thinned up to 10% with clean water, in two coats using a roller, brush or spray. The second coat is applied once the first one has completely dried and is walkable.

Coverage

ISOMAT FLOORCOAT covers 6-10 m^2/l per coat, on previously prepared surfaces. Coverage depends on substrate type and absorbency.

Packaging

0.75 l, 2.5 l and 5 l containers.

Shelf life – Storage

24 months from production date if stored in original, unopened packaging at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.

ISOMAT FLOORCOAT

Remarks

- The temperature during the application of the product should be between +5°C and +35°C.
- If rain is expected within the next 48 hours, the application of ISOMAT FLOORCOAT should be postponed.
- For application in garages or parking facilities, avoid contact between the coating and hot tires until the material has fully cured. Vehicles should remain outside the area until tires have cooled down.
- Any spills of petrol or diesel should be cleaned immediately to prevent discoloration of the coating and reduce the risk of slipping.

Volatile Organic Compounds (VOCs)

According to Directive 2004/42/EK (Annex II, table A), the maximum allowed VOC content for the product subcategory i, type WB, is 140 g/l (2010) for the ready-to-use product.
The ready-to-use product ISOMAT FLOORCOAT contains a maximum of 30 g/l VOC.

CE

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DoP No.: ISOMAT FLOORCOAT / 1447-01

EN 13813 SR-B2,0-AR0,5-IR4

Synthetic Resin screed material for use internally in buildings

Reaction to fire: Ffl

Release of corrosive substances: SR

Water permeability: NPD

Wear resistance: AR0,5

Bond strength: B2,0

Impact resistance: IR4

Sound insulation: NPD

Sound absorption: NPD

Thermal resistance: NPD

Chemical resistance: NPD

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The technical information and instructions supplied in this datasheet are based on the knowledge and experience of the Department of Research and Development of our company and on results from long-term applications of the product in practice. The recommendations and suggestions referring to the use of the product are provided without guarantee, since site conditions during the applications are beyond the control of our company. Therefore, the user is responsible for confirming that the chosen product is suitable for the envisaged application. The present edition of this technical datasheet automatically cancels any previous one concerning the same product. | Edition: 26.05.2026