

ARMOFLOOR AC

Acrylic Based Single Component Floor Coating

Description:

ARMOFLOOR AC is a general purpose, interior/exterior, 100% acrylic, low odor, waterborne floor coating. It is specially designed for maximum adhesion and resistance to weather, UV rays, chemicals and mildew. When it dries, it creates a tough, floor coating which will withstand hardware, abrasion, grease, oils, and cleaning equipment.

Applications:

ARMOFLOOR AC is used for protection and decoration of concrete, and other cement and lime-cement surfaces, in warehouses, garages, chiller and boiler rooms. Some areas of application includes:

- Laboratories
- Light assembly and production areas
- Hospitals
- Industrial/commercial office areas
- Helipads
- Food industries

Advantages:

- One component, easy to apply.
- Fast dry with good UV and chemicals resistance.
- Special acrylic resin mixed with special pigments to assure years of exterior durability.
- Excellent color retention.
- Will not peel or blister under normal condition.
- Slip resistant properties.
- High Abrasion resistant.
- Water based with no odor.
- Acceptable for use in, hospitals, and food industries.

Instructions for Use:

Surface Preparation:

All surfaces should be sound, clean, dry and free from loose material, efflorescence, laitance, curing compounds, dirt, oil and grease. Concrete floors should be fully cured. Substrates should be totally dry and not likely to suffer from rising dampness. If necessary, suitable damp-proof membranes should be installed to prevent such risk. Proper surface preparation is essential to ensure maximum bond strength between the substrate and the flooring system is achieved.

It is always recommended to prepare the floor utilizing mechanical preparation method: Grinding, captive blasting, sand blasting. If the substrate is restricted to access, utilise preparation by handy mechanical tools. Perform repairs to cracks, levelling of floor, voids filling by means of LAVAREP repair products

Previously Painted Surfaces:

If in sound condition, clean the surface from all foreign material. Smooth, hard or glossy surfaces should be prepared by abrading the surface. Apply a test area, allowing paint to dry one week before testing adhesion. If adhesion is poor, additional abrasion of the surface and/or removal of the previous coating may be necessary. If paint is peeling or badly weathered, clean surface to sound substrate by means of mechanical preparation as above mentioned.

Normal concrete substrate does not require priming. High porous substrates or areas under high traffic, should be primed with one coat of the same product diluted with 10% water. As a general guidance, the following table can be followed. For specific applications, please consult MATEX Technical Department for the recommended design criteria.

Mixing:

Stir the product thoroughly by stirring with a low speed drill fitted with a suitable paddle before use. Make sure

ARMOFLOOR AC

that no pigments remain on bottom of the container. It is also necessary to leave the product for few minutes after mixing to let air bubbles come out from the mix.

Application:

Apply ARMOFLOOR AC with brush, roller or spray machine to substrate uniformly in two coats. Apply the first coat with a rate of 6 m² per liter to ensure proper penetration and coverage to the surface. Before applying the second coat, make sure that the previous coat is completely dry. Apply the second coat with a rate of 8 m² per Lt. for very porous substrate, apply third coat of ARMOFLOOR AC. If slip resistance finish is required, broadcast silica aggregate with the required sieve size onto first coat while wet. Once cured, remove excess silica and apply the second coat.

Surface	Priming	Coating
Concrete Surface Finishing (light to medium traffic)	Not required	Two coats of ARMOFLOOR AC
Concrete Surface Finishing (high traffic)	ARMOFLOOR A dilute with 10% water	Two coat of ARMOFLOOR A
Previously painted floors (in sound conditions)	Not required	One or two coat of ARMOFLOOR AC

Standards:

ARMOFLOOR AC conforms to:

- ASTM D4060, ASTM D4541, ASTM D3359, ASTM D4585, ASTM D2047

Coverage:

ARMOFLOOR AC achieves coverage of 6-7 square meters @ 150 micron Wet Film thickness.

Packaging:

ARMOFLOOR AC is available in 20 liter containers.

Storage:

Store in original packing in dry conditions away from direct sunlight and humidity levels.

TECHNICAL PROPERTIES

Color	:	Refer to MATEX color chart
Appearance	:	Fluid
Finish	:	Semi-gloss
Density	:	1.20± 5% Kg./Lt.
Dry Residual	:	100%
Drying time at 25°C	:	
To touch	:	30 minutes
Recoat	:	4 hours
Foot traffic	:	8 hours
Heavy traffic	:	24 hour
Solid Contents	:	65%
Adhesion	:	2.4 N/mm ²
Flash Point	:	> 95°C
Chemical Resistance	:	Resistant to wide range of diluted chemicals
Flexibility	:	Pass

Shelf Life:

ARMOFLOOR AC can be utilized within 12 months of production date if stored in proper conditions in unopened original packing.

Cleaning:

Clean tools and equipment with water before material harden.

Health and Safety:

- Use goggles and gloves during application. Do not breathe vapor of products.
- Avoid contact with eyes or skin.
- In case of contact with eyes rinse immediately with plenty of sweet water and seek medical advice.

This technical data sheet is not considered as local building codes. It shall be used as general reference for the product, based on our current knowledge and experience. However the company do not accept any liability arising from the use of its products as it has no direct control on how and where the product is applied. MATEX Rev.00-1015

