

MonniTop ACR

Water Based Acrylic Floor Coating

Product Description

MonniTop ACR is a general purpose, interior and exterior, 100% acrylic, low odor, waterborne floor coating. This product dries rapidly to a tough, alkali resistant finish which will withstand hardware, abrasion, grease, oils, and cleaning equipment.

MonniTop ACR is specially designed for maximum adhesion and resistance to weather, UV rays, chemicals and mildew. It is easily applied by brush, roller and spray and dry quickly to a smooth, low sheen film. The acrylic resin and light fast pigments used in MonniTop ACR assures years of exterior durability.

Uses

MonniTop ACR is used for protection and decoration of concrete, wood and other cement and lime-cement surfaces. It is used for painting of concrete floors in warehouses, garages, chiller and boiler rooms.

MonniTop ACR is ideal and economic for interior and exterior floor coatings, such as:

- ▶ Storage areas and other warehouses
- ▶ Hospitals and laboratories
- ▶ Running tracks, playground asphalt and concrete surface
- ▶ Industrial areas
- ▶ Commercial office areas
- ▶ Helipads
- ▶ Timber floors lined with plastic sheeting
- ▶ Brick and block work

Advantages

- ▶ One component, easy to apply
- ▶ Excellent color retention
- ▶ Water based, no odor and inflammable
- ▶ High abrasion resistant
- ▶ Will not peel or blister under normal conditions
- ▶ Non residual toxic. Acceptable for use in food industries, hospitals, laboratories and poultry plants.
- ▶ Crack bridging

Usage Instructions

Surface Preparation

The surface of the concrete to be prepared shall be sound, clean and uncontaminated.

This preparation shall be such as to leave a sound exposed concrete surface free from dust, loose particles and any deleterious matter. If the concrete surface is defective or has laitance, it must be cut back to a sound base. Excess laitance deposits are best removed by light mechanical scabbling, grinding or grit/captive blasting followed by vacuum cleaning to remove dust debris.

Any blowholes, chipping or similar surface imperfections shall be repaired using MONNIFINISH, a solvent free epoxy resin repair mortar. Allow repair material to harden.

Expansion joints shall be repaired using MonniMort HS a high strength solvent free epoxy mortar. New concrete floors should be allowed to cure for at least 28 days before applying the primer.

Priming

Highly porous concrete must be treated with one coat of MonniTop ACR diluted with 10% water.

The primer should be applied by brush or roller on to the cleaned surface area (particularly hidden surfaces) at a rate of 5-10 m²/Liter.

The primer should be left to achieve a tack-free condition before applying the top coat.

Mixing

MonniTop ACR should be stirred before use until a uniform colour and consistency is achieved. Product is ready for use.

It is important to mix the product well before application with an electrical mixer at low rpm. It is also, necessary to leave the product for few minutes after mixing to let air bubbles come out from the mix.

Application

MonniTop ACR can be applied by brush, spray or roller. Apply the product uniformly in two coats at a coverage rate of 4-6 m²/Liter per coat. Before applying the following coat, make sure that the previous coat is completely dry (from 2-4 hours depending on the environment conditions). Particular attention should be given to areas around obstruction and protrusion making sure that all surfaces are covered.

If slip resistance finish is required, broadcast silica aggregate with the required sieve size onto first coat while its wet. Once cured, remove excess silica and apply the second coat.

Cleaning

Tools and equipment should be cleaned with water immediately after use.

Spillages should be absorbed with sand or sawdust and disposed of in accordance with local regulations

Recommendations

- ▶ MonniTop ACR should not be applied onto surfaces likely to suffer from rising dampness or humidity RH > 70%
- ▶ MonniTop ACR should not be applied at temperatures below +5°C
- ▶ MonniTop ACR should not be applied at asphalt floors or PVC tiles

Technical Data

Category	Typical Values
Appearance	Fluid
Standards Color	Refer Monneli Color Chart
Solid Content	>60 %
Finish	semi – gloss
Bond Strength (ASTM D4541)	> 2 N/mm ²
Abrasion Resistance (ASTM D4060)	37 mg / 1000 cycles
Flexibility	Passed

Chemical Properties

MonniTop ACR is resistant to a wide range of chemicals.

Chemical	Chemical drop on paint film dried for 3 days at ambient-film appearance after 1 day	Weight increase of free film immersed in chemicals for 28 days
Ammonia 25%	No Change	-
KOH 25%	No Change	8 %
Ethanol 20%	No Change	5 %
Petrol	No Change	-
Detergent	No Change	-

Packaging & Coverage

The product supplied in 20 Liter plastic container.

Coverage: 6 m²/liter per coat depending on substrate's porosity

Shelf Life & Storage

Keep the product in a dry covered place into original well closed packaging.

Shelf life is 12 months if stored properly.

Health & Safety

During application, wear appropriate protective clothing, goggles, gloves and respiratory equipment if necessary.

In case of contact with skin, rinse with water and again, wash thoroughly with soap and water. In case of contact with eyes, rinse with plenty of water and seek medical advice accordingly.

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

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