

FloArm Coat 316

(Formerly known as MYK COAT HR 316(I))

Heat Resistant Multipurpose Epoxy Coating



TECHNICAL DATA SHEET

Product Description

FloArm Coat 316 is a three-component solvent free pre-weighted onsite mixing. The floor provides hard wearing chemical resistant, Glossy, easy to clean surface.

FloArm Coat 316 is a low viscosity, non solvated Multipurpose Epoxy Paint. Developed from a new concept on epoxy technology (polymer blend), it exhibits increased performance as compared to normal epoxy. The viscosity of the mixed mastic is average but exhibits good thixotropic behavior when applied.

Uses

- Chemical Industries
- Sewage treatment plant & Equipment
- Effluent treatment plant & Equipment
- Lining for boiling water and water tank Heat Resistant
- Steam Cleaning for clean room areas
- Coating to Steel & Concrete

Features and Benefits

- Good adhesion to steel and nonferrous metals. With stands boiling water
- Good chemical -resistant
- Curable at low temperature (10°C)
- Good adhesion to Epoxy, Acrylic, Urethane paint
- Can be applied on FRP, (Unpolished) stone Marble / kota etc.
- Strong resistance to Chemicals and salts. 75% H_2SO_4 (Reddish spot), 36% HCL , 30% HNO_3 (Blister) 10% HAC
- High temperature resistance: up to 175 °C (with stands boiling water)
- Good resistance to thermal shock (Quench from 150°C oven to 10°C water)
- Good electrical insulation property
- Curable at low temperature (10°C)
- Eco-friendly, Solvent Free, Low VOC
- Neither eroded by water or contaminates water
- Coated film is hard, smooth and slick.

Application Methodology

Step no 1: Surface Preparation:

It is essential that FloArm Coat 316 is applied on sound clean and dry surface in order that maximum bond strength is achieved between the substrate and flooring system. The laitance should be removed by grinding or grit blasting. The light laitance has to be removed by acid etching followed by thorough washing with clean water.

New concrete:

The new concrete or cement substrate on which the system is likely to be applied should be 28 days old and have moisture content less than 4%. In case of new or green concrete use moisture insensitive Cempo / FloArm primer series – kindly contact our technical cell.

Step no 2: Primer application

General Use over Concrete: Prime the Concrete surface with FloArm Primer EP / FloArm Primer 1260 and cure it for 24 hrs.

Metal surfaces:

Prime with FloArm Coat ZP at the recommended dosage.

Critical surfaces:

Areas exposed to high heat: Use ReArm Primer HR as a primer.

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Step no 3: Mixing

FloArm Coat 316 consist of three component Base, hardener, and color paste, all are pre-weighed packs. First Base and Color paste has to be mixed with slow speed drill machine of RPM 300 to 400 for a 2 minutes, then add the hardener part, mixed entire mass for 3 to 4 minutes the components should be mixed in a suitably sized mixing vessel. After proper mixing the total mass to be transfer to another vessel. As the pot life of the material is very less, so start the application immediately.

Step no 4: Application

The material once mixed should be used within its specified pot life of 15 minutes; do not apply the material after the pot life is over even if it exhibits workability. The mixed FloArm Coat 316 is spread on to the prepared dry surface using a brush. The second coat should be applied after 6 Hours (Tack Free time) it will depends on the environment condition may increase in winter time.

Application note :-For Application other than what is mentioned in the Data sheet , the product may be thinned using MYKA Thinner T, for better brush ability .MYKA Thinner T to be mixed with FloArm Coat 316 @ 10 % by weight as maximum .

This does not affect the heat resistance property , if the total film thickness will be maintain as per the recommended. Please consult the MYKA Technical cell for the further information.

Technical Data

Mixed Density	Approx 1.33 gm/cc
Viscosity (Mix.)	Thixo tropic (Medium viscosity)
Pot life 25°C	20 mins
Tack free	5 to 6 hrs. at 27°C
Full Cure	7 days (20°C)
Colour available	0222 MYK Grey (Unstable)
Shore - D Hardness (ASTM D2240)	Approx. 70, 7 days
Gloss	Approx 85 (60Deg)
Film Thickness	200 Microns DFT in each coat)
Bond Thickness (ASTM D 4541)	1.5 mm N/mm2, 28 days,
Application by	Stiff brush / Short nap Roller

Standard :- This material is tested as per the ASTM D

2485

Chemical Resistance Spot (ASTM1308)

75% H₂SO₄ (No Defects, RT 3 months)

10% HaC(Blister RT, 3 months),

30 % HNO₃ (blister RT, 3 months),

36 % HNO₃ (No Defects RT, 3 months),

30% NaOH (No Defects RT, 3 months).

Consumption

270 Gms/m² for 200 Microns thick DFT in each coat , this coverage is calculated based on the theoretical and standard surface condition, practical coverage may vary from this value.

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Packaging

4.0 kg pack. (Base + Hardener + Colour paste)

Storage and Shelf Life

1 year if stored in cool dry place and if unopened sealed pack.

Health & Safety

FloArm Coat 316 should be applied with gloves and care should be taken to see that it does not come in contact with skin or eyes. Splashes on to eyes have to be immediately washed with plenty of clean water and medical advice has to be taken.

Product Categories Available



Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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