

# FloArm Soloplan-30M

(Formerly known as MYK SOLOPLAN -30(M))

Self leveling underlayment 3 to 30 mm



## TECHNICAL DATA SHEET

### Product Description

FloArm Soloplan-30M is a premixed self leveling compound in a powder form comprising of specially selected binders, well graded sand and synthetic polymers plasticizing agents and other ingredients, requiring only addition of water at the job site. FloArm Soloplan 30 (M) produces highly efficient underlayment with self leveling and self finishing properties and renders a smooth floor. High fluidity, good bond and low shrinkage ensure ease of application. By application of FloArm Soloplan-30M, surface depressions, seams and surface defects are instantly eliminated after application.

### Uses

FloArm Soloplan-30M is used for smoothening and leveling in layers.

As underlayment were the repairing and patching of screeds, concrete and cementitious surfaces.

As underlayment leveling floor for

- Carpets,
- Vinyl flooring,
- Tiles,
- Wooden tiles floor,
- uneven horizontal surface of concrete and screeds,

### Features and Benefits

- Self leveling
- Polymer Modified
- Can be applied on Damp surface
- For both exterior and interior use
- Quick and easy to mix, can be pump
- Rapid Curing
- Rapid installation
- Good adhesion to cement and cement based substrates For layers 3 to 30mm
- Very low emission / Very Low V.O.C.
- Thin bed application
- Chloride free / non shrink
- Pre-batched and ready to use
- Tiles have a longer life due to
- No undulation
- No Air pockets
- Perfect edge-to-edge tile placement
- Quicker curing ensures dry surface

### Application Methodology

#### Step no 1: Surface Preparation & Primer

The surface to be leveled must comply with the principles of building construction and should fulfill the structural requirements. Any crack, pot holes joints etc should be properly sealed and cured. The surface to be treated should be free from all coatings dust and unsound concrete toppings and surface homogeneous mix, the properly mixed compound should be poured on to the surface and leveled by using of squeegees or broad brushes For layers less than or the same as 20 mm thick, concrete and cement screeds are to be primed with AquArm Uniprime GE / AquArm Uniprimer K, FloArm Soloplan-30M is applied as soon as the primer has dried. We recommend to allow the primer coat to completely dry out (approx. 6- 12 hours) as the absorption capacity of the surface is minimized and the flow behavior of FloArm Soloplan-30M is maintained.

For layers 20 mm thick or higher, smooth worn surfaces have to be primed with FloArm primer 1260 and sprinkled with excessive amounts of Quartz sand (grain size 0.5 - 1.0 mm). Prior to the application of FloArm Soloplan-30M and after complete hardening (approx. 16 hrs), the surplus quartz sand can then be removed.

#### Step no 2: Product Mixing & Application

Add FloArm Soloplan-30M to the water not vice versa and mix vigorously to achieve homogeneous mix for self-leveling and approximately 4.7 to 5.5 Lts of water per 25Kgs sack. Amount of water can be adjusted to get the consistency in plastic, fluid or trowelable grades. Placing of FloArm Soloplan-30M should be done in one continuous operation

## FloArm Soloplan-30M

(Formerly known as MYK SOLOPLAN -30(M))

Self leveling underlayment 3 to 30 mm

For underlayment over 10mm extend the mix by adding dry, clear and well graded sand. For self leveling compound add approximately 5 to 5.5 Lts of water for 25 Kgs of FloArm Soloplan-30M. The amount of water can be adjusted For layers less than or the same as 20 mm thick, we recommend 5.0 - 5.4 L of water to 25 kg of FloArm Soloplan-30M . Mixing to be done with slow speed stirrer (300 to 400 RPM), Avoid to produce the vortex during the mixing .Always transfer the mixed material into another bucket before application, to avoid the improper mixing. For layers of 20 mm and higher, we recommend 4.7 - 5.1 L of water to 25 kg of FloArm Soloplan-30M. With a minimum addition of water i.e.: less excess water in the mixture allows a quicker surface maturity to be achieved.

### Technical Data

Basis	Cement aggregate additives
Color	Grey
Pot life at 23°C	20 Minutes
Flow Life at 23°C	15 minutes
Mixed density	2.05 Gm/cc
Initial Set (Vicat) 30°C (ASTM C 807)	40 minutes
Final Set (Vicat) @ 30°C @ 20 °C (ASTM C 807)	60 minutes 150 minutes
Application temp and surface temp	+5 °C to +25°C
Compressive strength at 30°C (ASTM C 349) 1 day 7 days 28 days	4 N/mm <sup>2</sup> , 12 N/mm <sup>2</sup> 15 N/mm <sup>2</sup>
Flexural strength at 27°C (ASTM C 348 ) 1 day 7 days 28 days	1.5 N/mm <sup>2</sup> 3.0 N/mm <sup>2</sup> 4.5 N/mm <sup>2</sup>



### TECHNICAL DATA SHEET

#### Product confirms to standard

EN 13813, CT -C15- F-4.5

#### Consumption

Approx 5.5 m<sup>2</sup>/Per pack/3mm layer thickness, this coverage is based on flat level surface. (For the ordering consumption will be high as per the undulation on the surface/site condition)

Water dosing (Cold water to be used ~10 - 15 °C temp) is 19% to 22% by weight of powder depending on the climatic conditions.

Aquarm Uniprimer GE : Approx. 200 g/m<sup>2</sup>  
AquArm Uniprimer K : 30 – 80 g/m<sup>2</sup>

#### Packaging

25 Kg pack with PE liner in woven sack

#### Storage and Shelf Life

Use immediately once opened. 6 months when stored in cool dry place in dry condition away from direct sunlight in original unopened pack.

#### Note

Not Suitable for Exposed wearing surface

### FloArm Soloplan-30M

(Formerly known as MYK SOLOPLAN -30(M))

Self leveling underlayment 3 to 30 mm



## TECHNICAL DATA SHEET

### Health & Safety

This product contains cement, and as per the current Regulation, it is classified as irritating to eyes and skin. Hence avoid direct contact to eyes, skin. Always wear suitable Personal protective equipments.

For more details please refer the MSDS.

### 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.

MYK Arment Private Limited  
8-2-703/A, 3rd Floor, Leela Gopal Towers, Road No. 12, Banjara Hills, Hyderabad -500 034  
Tel: +91 40 6816 0001 | Email: myk@mykarment.com | www.mykarment.com