

# FloArm Screed Ultra

(Formerly known as MYK SCREED ULTRA)

High performance screed with fast drying time



## TECHNICAL DATA SHEET

### Uses

Additive for:

- Fast track
- Low-shrinkage
- Low-tension bonded,
- Un-bonded and floating cement floor screeds

### Features and Benefits

- Guaranteed drying time 48 hours for tile and 72 hours for all other floor coverings
- Approximated 80-90% of final strength within the first 3-4 days
- Obtainable minimum Strength CT-C4-F6 up to CTC60-F8 depending on aggregates and amount of Cement according to DIN 1045-2
- Extended working time with short drying time
- Insensitive to moisture, therefore suitable for permanent wet areas
- Internal and external
- Bonded screed from 25- 100 mm in single layer, in special cases with MYK Arment site inspection and assessment, from 15 mm (with FloArm Primer BA-P) possible
- Un bonded and floating screed from 35-100 mm in single layer for industrial or heavy-duty usage  
Generally, recommend 50 mm un boned onwards
- Fibers are not required
- No ettringite building agents are used in the MYK Arment screed system
- No gypsum addition of any kind of or any polymer modifications deemed not water resistant in immersed conditions.
- No moisture curing required

## Application Methodology

### Instruction for Use

The general guidelines, Data sheets and specifications for cement screed are applicable for installation of FloArm Screed Ultra. Application temperature from -5° C Apply MYK Arment screed Ultra within 90 min after mixing. Higher temperatures will reduce and lower temperatures will increase the working life of the screed mix

### Mixing instructions

All relevant standards, especially IS5491 and DIN 18353, DINE13813 and DIN 8560, technical instructions and customary industry practices and standards must be observed

Dosage: 2 lts per m3 along with minimum 312,5 kg and maximum 375 kg OPC Cement 43/53. Observe water reduction as per aggregate moisture content. Add FloArm Screed Ultra to the first mixing water. The water amount must then be increased (without FloArm Screed Ultra) such that the preferred application consistency is obtained.

Over dosage and/or high W/C ratios ( $> 0.7$ ) can affect the consistency of the mortar to the extent that it is unusable and increase the air pore content of the screed, reducing its strengths. MYK Arment recommends the application of earth-moist to stiff-plastic screed mixtures.

After mixing, the mortar must be spread, compacted in accordance with customary industry practices and standards, levelled evenly and, if necessary, also smoothened. The use of power floaters is recommended because higher finish qualities and strengths are obtained. Dummy joints and expansion joints must be made in accordance with customary industry practices and standards and the relevant information provided in the respective standards and worksheets of the trade associations.



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Seal open containers airtight immediately after use and use the contents as quickly as possible.

FloArm Screed Ultra must not be used in combination with other additives such as air-entraining agents.

### Building site climate conditions:

Protect surfaces from draught and direct sunlight during the curing processes. Freshly made surfaces must be protected from too rapid drying. When applying floor screed outdoors, appropriate protective measures must be taken against direct sunlight, too rapid drying and rain. When applying floor screed in the hot summer months it is recommended to consider covering the newly applied area for approx. 24 hours with PE sheet or restrict the application work to the (early) morning hours

### Screeds on subfloor heating systems:

Heated screeds made with FloArm Screed Ultra can be heated after 24 h of application. Please observe the FloArm Screed Ultra Heating Record.

### Moisture measurements:

Before application of the final floor covering, the residual moisture of the screed should be measured, we recommend to use the Method only as others may give false readings.

### Sand & Mixing:

FloArm Screed Ultra is to be mixed with a cement/ sand ratio

2 lts FloArm Screed Ultra by 312.5kg CEMENT only OPC 43/53 per m<sup>3</sup>

2 lts FloArm Screed Ultra by 375 kg CEMENT only OPC 43/53 per m<sup>3</sup>

The sand should be 0-8mm as per our sieve analysis recommendation which can be obtained on request. Crushed sand may be used in approx. 60% m-sand and 40% gravel of 8or 10mm down according DIN 10452

### Aggregate classification EN 13139(former BS8204-1:2003)

We recommend the use of screed-pumps or pan mixers. Hand mixing is not recommended.

Mixing water is generally at a 0.55w/c ratio but reduced by the moisture content of the sand.

The "squeeze ball" test may be applied to check on site level .FloArm Screed Ultra is a screed refining agent and additive. The user is obliged to carry out appropriate initial inspections as part of the conformity declaration in accordance with DINEN 13818 and DIN 18560-1.

These initial inspections are also generally required if the raw materials (sand and/or cement and/or additives) used for the screed production change.MYK Arment provides customer support here at all times.

### Packaging

Recyclable HDPE pails, 5 lts net

### Storage and Shelf Life

Store under cover, out of direct sunlight and protect from extremes of temperature. In extreme tropical climates the product must be stored in an air-conditioned environment. Shelf life is 12 months when stored as per above. Poor storage conditions may result in premature deterioration of the product or packaging .For specific storage advice please consult MYK Arment Technical Services Department.

### Disposal

Allow empty containers to dry out (non-drip and open lid) and recycle as per local regulations.

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#### 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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