

# FloArm Seal 23

(Formerly known as MYK Floor Seal 202)

Floor Sealer



## TECHNICAL DATA SHEET

### Product Description

FloArm Seal 23 is a one part, solvent based, clear acrylic resin polymer solution used to cure, harden and seal fresh or hardened concrete.

#### Uses

- FloArm Seal 23 is used for optimum sealing of fresh concrete floors and structures.
- As a curing compound in order to limit surface drying and cracking
- Provides curing and sealing for FloArm Hard Q dry shake hardeners
- Improvement of the abrasion resistance of existing concrete surfaces
- Suitable for exterior and interior application

#### Features and Benefits

- Excellent moisture retention.
- Helps control dusting
- Effectively cures and seals concrete surfaces in a single, economic operation
- Good abrasion resistance
- Quick drying
- Good adhesion to old / new concrete floors
- Easy application by spray or roller

### Application Methodology

#### Step no 1 : Substrate Preparation

**Fresh concrete:** The concrete must be prepared by suitable power or manual floating/tamping techniques.

**Hardened / old concrete:** The substrate must be Prepared by suitable mechanical preparation techniques such as high-pressure water or abrasive blasting cleaning equipment.

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

#### Step no 2 : Application Conditions / Limitations

- \* Substrate Temperature: +12 °C min. / +30°C max.
  - \* Ambient Temperature: +10°C min. / +30°C max.
  - \* Relative Air Humidity: Maximum 75 % relative humidity or less at the time of application.
  - \* Dew Point: Beware of condensation !
- The substrate and uncured floor must be at least 3°C above dew point to reduce the risk of condensation or blooming on the floor finish.

#### Step no 3 : Application Instructions

**Mixing:** FloArm Seal 23 is supplied ready for use. Stir thoroughly before use.

**Mixing Time:** 2 minutes

**Mixing Tools:** Electric stirrer with low speed (~ 300 rpm)

#### Step no 4 : Application Method / Tools

For fresh concrete, apply immediately after finishing techniques have been completed.

Apply in continuous even film by low-pressure spray unit.

The suitability of spraying equipment must be confirmed by trials.

Application also possible by brush or roller.

To achieve the highest visual aesthetics and performance, a second coat is recommended.

Wait for first coat to dry tack free before applying Second coat.

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### Cleaning of Tools:

Clean all tools and application equipment with Thinner solvent immediately after use. Hardened / cured material can only be removed mechanically.

### Waiting Time for Over coating:

Allow previous coats to become tack free before applying additional coats.

Substrate temperature time

Below 12 °C Application not recommended.

+12°C 60 minutes

+20°C 40 minutes

+30°C 30 minutes

Times are approximate and will be affected by changing ambient conditions, particularly temperature and relative humidity.

### Technical Data

Chemical nature of material	Solvent based a clear acrylic resin solution
Density: Approx	0.910 gm/cc (at +20°C)
Solid Content	Approx. 23% (by weight)
Bond Strength	Minimum 1.5 N/mm <sup>2</sup>
Chemical resistance	Normal chemical resist

### Curing Details:

Substrate temp.	Foot traffic after	Full cure after
+12°C	approx.10 hrs.	Approx.36 hrs.
+20°C	approx.5 hrs.	Approx.30 hrs.
+30°C	approx.3 hrs.	Approx.24 hrs.

### Consumption

0.250 kg / m<sup>2</sup> per coat (4 m<sup>2</sup>/ kg per coat).

This figure is Theoretical and does not include for any additional material required due to surface porosity, surface profile, variations in level and wastage etc.

### Annotation

- In hot weather (above +25°C) store FloArm Seal 23 in a cool place prior to use. In low temperatures (below +10°C) the product may thicken and reduce spray ability.
- Do not use sprayers, which have been used to spray silicones or release agents.
- Ensure spraying equipment is cleaned thoroughly before use and residues of previous membranes are removed.
- FloArm Seal 23 must be mechanically removed prior to the application of a coating system.
- FloArm Seal 23 increases abrasion resistance compared to C25 concrete but will gradually degrade and be removed by environmental exposure conditions and trafficking.
- Do not use outside over white and non-absorbent substrates, as some yellowing may be perceptible.

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### Packaging

19 kgs metal pails and 180 KGS metal(MS) drums.

### Storage and Shelf Life

12 months from date of manufacturing, if stored properly in original, unopened and undamaged sealed containers, in dry conditions under shaded area at temperatures between +5°C and +25°C.

### Health & Safety

FloArm Seal 23 should be applied with gloves and care should be taken to see that it does not fall on 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.