

FloArm Sportz

(Formerly known as MYK Sports 10)

Multi-Activity Resin based Flooring



TECHNICAL DATA SHEET

Product Description

FloArm Sportz is a blend of epoxy & Polyurethane resin system. The system contains three pre-weighted packs (Base, Hardener and color paste) of exact proportions for mixing and use on site.

FloArm Sportz is a specially formulated multi-activity joint free 'soft' floor with a high degree of flexibility and resilience and is laid on a smooth concrete or stone surface. It also has a sound dampening property.

In comparison to other indoor sports flooring, FloArm Sportz offers much superior shock absorption and ball rebound. These qualities, including its in-situ joint free laying, reduce injuries to a great extent and improve the actual playing experience, and make them better suited as gym flooring too. FloArm Sportz flooring also has an elastic epoxy-polyurethane topping that allows simple cleaning and maintenance. They do not wear down and tear apart easily, which eliminates the need for replacing them for a long time. It has resistant to static load as well as good abrasion resistance.

Uses

They are resistant to static load as well.
The product is ideally suited for all general sports areas such as the following:

- Gymnasiums
- Basketball Court
- Volley Ball Court
- Squash Court
- Kabbadi Court
- Tennis Court

It is also used in areas requiring a floor with sound insulating property.

Features and Benefits

- Sound Dampening
- Unique soft floor technology
- Totally joint free flooring
- Durable and low maintenance
- Various colors available
- Better shock absorption

Application Methodology

Step no.1: Surface Preparation:

Concrete substrates must be prepared mechanically using abrasive blast cleaning, scarifying or grinding equipment to remove cement laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate repair product.

The concrete or screed substrate has to be primed and levelled in order to achieve an even surface. High spots must be removed by e .g. grinding. All dust, loose and friable material must be completely re moved from all surfaces before application of the product, preferably by brush and/or vacuum. Ensure moisture content of the concrete surface is below 4% - No rising moisture according to ASTM D 4263(Polyethylene sheet) and above dew point.

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New Concrete

Nor mal priming is limited to application below 4% surface moisture in concrete. If the moisture content is more, special primers for damp moist floors have to be applied. MYK Arment special primers FloArm Primer 1250 or moisture barrier such as the Cempo® series of products are recommended.

Consult the Technical Services team of MYK Arment for product specification or guidance.

Step no.2: Method of Application: Application of Primer:

Priming: Apply FloArm Primer 1260 /1290 in two applications.

(1)The first primer coat is applied on the prepared concrete surface to seal all porosity etc.

Consumption: approx. 300 -400 gms

(2) The second coat is applied after the first coat has dried. Consumption: approx. 300 gms.

Immediately after the second coat of primer is applied, uniformly broad cast quartz sand of grain size 0.5 to 7.0 mm on it.

Quartz Consumption: approx. 1.5 kg/m² to 2.0 kg/m²

3. Once cured (Minimum curing for 24 hrs) thoroughly remove unbonded loose quartzs sand before applying the next layer.

Products quality at the time of dispatch. As we are constantly endeavouring to enhance the qualities of our products which may reflect changes it the data sheets. Hence in the event of any doubt on critical parameters it is advisable to consult our technical department.

Step no.3: Application of FloArm Sportz

The pre weighed packs of the components - resin, hardener and pigment has to be mixed for 3 to 4 minutes using a low speed electric stirrer (300 -400 rpm) with a spiral shaped stirrer. The components should be mixed in a suitably sized mixing vessel. The pigment should be added to the base and should be stirred for 30 seconds till proper dispersion of pigment paste in base. The hardener is then added to the base for about 3 to 4 minutes slowly until an even colour, texture is obtained.

Important : Do not dump the all component at once. Mix till the material is completely homogeneous Mix only that much quantity that could be finished in the stipulated pot life. We are not recommending the part mixing, unless and until without our supervision.

The minimum temperature during mixing should be +15°C. (Do not use the mixed material directly from the packaging. Decant the material into a clean container and mix thoroughly once again).

The material once mixed should be used within its specified pot life; the material is poured on to the broadcasted, cleaned surface and spread evenly with a flat steel trowel. Care should be taken not to over work the resin. After spreading, the wet material should be firmly rolled with a spiked nylon roller to help release any entrapped air in the material and assist levelling and removing any tool marks. The rolling should be carried out using a 'back and forth' technique along the same path.

Step no.4: Application of UV Resistant Seal Coat:

FloArm Coat PUD–Matt is to be applied with a roller in two coats the finish coat in one application.

Consumption: approx. 200 gms/m² for 2 coats

- Waiting time between individual coatings should be between 16 to 24 Hrs at +23°C and 75% relative humidity• The working/ambient temperature has an effect on the pot life of the product.

Technical Data

Base	Epoxy Polyurethane Resin
Density	1.30 g/cm ³ at +27°C
Colour	Available in Colors, (unstable if exposed to UV and direct sunlight)
Pot Life	45 Min at +23°C 15 Min at +30°C
Application temp	Minimum +15°C Maximum 30°C
Traffic after	Approx. 24 Hrs. at 30°C Approx. 48 Hrs. at 20°C
Over coat After	Approx. 24 Hrs.up to 36 Hrs. at + 27°C
Full Cure	After Approx. 7 days at + 27°C
Elongation at break	130% at +27°C
Tear Strength	5.3 N/mm ² at +27°C
Shore A Hardness	Approx. 90 (ASTM D 2240)
Tensile Strength	> 5 N/mm ² (ASTM D 638)
Recommended thickness	3 to 6 mm

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Consumption

For Detail consumption and thickness please refer Technical department

Packaging

- FloArm Primer 1260 is supplied in 5 and 15 kg packs.
- FloArm Sportz is supplied in 6.5 kg pack
- FloArm Coat PUD Color is supplied in 6.0 kg packs

Storage and Shelf Life

6 Months if stored in cool dry place under shaded area and if in unopened and sealed condition

Health & Safety

All MYK Arment products 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.

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