



# Aqua-sportflor 15

## Skid Resistant Sports Floor Coating System for Outdoor Use

### DESCRIPTION

AQUA-SPORTFLOR 15 features water based acrylic coating system with aggregate composite to provide a levelling, anti-abrasion, skid resistant floor lining for a wide range of sports and outdoor recreational uses.

### SUITABLE USES

- New or existing concrete.
- Basketball court, tennis court, cycle track, running track, playgrounds, etc.
- Amusement park, recreational, public venue and exhibition plaza.
- Other outdoor RC floor decorative pavement.

### ADVANTAGES

- Durable and excellent abrasion resistance.
- Safe and skid-resistant floor coating.
- High build system for complete leveling finish.
- Good Ultra violet and water resistance Permeable structure to prompt water drainage.
- Aesthetic choices of color pallet.

### SUBSTRATE REQUIREMENT

To obtain a desirable result, it is important that AQUA-SPORTFLOR 15 System is be applied onto a clean, sound and water tight concrete substrate free of loose coating, oil, grease, soot, dirt, adhesives, laitance and any other surface contamination and defect.

### SURFACE PREPARATION (FRESH CONCRETE)

- Blast clean, scarify or grind the surface to remove laitance and expose blow hole
- Fill blow hole, crack, etc., with Inno Epocrete or fillers with bond strength > 1 MPa
- Use Omniclean with jet washing to degrease oil, grease and hydrocarbon deposit.
- Moisture within the concrete should be ≤12% on Protimeter scale before application.

### WORKING WITH AQUA-SPORTFLOR 15

Please read and understand Technical Data Sheet and Safety Data Sheet of each product before using them. We recommend only trained and approved applicator be engaged to perform application of AQUA-SPORTFLOR 15 system.

### PRIMER

Apply a coat of ASF-Sealer, 2-component water based epoxy primer at a minimal of 0.50 kg/m<sup>2</sup> coverage on concrete substrate. Usage may increase with more porous substrate. Allow 4 hours to dry.

### APPLICATION OF AQUA-SPORTFLOR 15 SYSTEM

Equip with the right tools before mixing the primer and floor coating. Sample of a stirrer is shown below;

Set the mixer speed to 150-200rpm. Blend ASF-Sealer Part A with MG peddler in direction opposite to blade's rotation for 3 minutes to obtain homogenous solution. Slowly add Part B and continue to blend for 1 minute before using. Allow the primer to dry for 4 hours before application ASF-15.



Set mixer to 500-600 rpm. Blend ASF-15 for 3 minutes. Apply a coat of ASF-15 with EVA sponge scrubber at a minimal of 1.2 kg/m<sup>2</sup>. Allow 4 hours interval before topping with 2 coats of ASF-15, water based top coat with long pile roller at a total usage of 0.3 kg/m<sup>2</sup>.

### SAMPLE COVERAGE

ASF-Sealer 150μ D.F.T requires ≥ 500 g/m<sup>2</sup>  
ASF-15 : 270μ D.F.T requires about 1200 g/m<sup>2</sup>  
ASF-150 : 100μ D.F.T requires about 300 g/m<sup>2</sup>



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### PHYSICAL PROPERTIES

Appearance	Viscous liquid
Abrasion ASTM D4060CS-10	Weight loss < 0.5g/1000 cycles/ 1000g
Adhesion at 14 days ASTM D3389-D 3002	Class 0 Cross cut tester n°157
Skid Resistance ASTM D2047	0.4
Water Vapour Transmis- sion ASTM E-96-00el	2.8 g/m <sup>2</sup> /h
Humidity Resistance ASTM D2247-02	No visible damage
Scrub Resistance ASTM D 2486-00	5000 times Substrate not exposed
Weather Resistance ASTM G154-06	500hr No visible change in ap- pearance
Hardness at 14 days	>2H at 500μ DFT
Gloss level	10/60° matte
Dry time @ 30°C	4 hours surface dry Full cure at 7 days
Colour	Standard range Other colour on request

### CLEANING TOOL & EQUIPMENT

Use water to clean before material start to harden

### POTLIFE & SHELF LIFE

Pot life : 25 to 30 minutes after mixing

Shelf life : 09 months in sealed condition

Do not use any mixture after 30 minutes.

### STORAGE & TRANSPORTION

Keep the products in cool and dry condition. Store in its original sealed condition.

### LIMITATIONS

- Aqua-sportflor-15 System may not bond properly to curing compound or other coatings on concrete. Bond or pull off test is recommended to determine suitability before actual application.
- Coverage and consumption vary depending on porosity and roughness of substrate.
- Suitable application temperature is 15°C to 45°C
- Apply or install when relative humidity is <75%

### DISCLAIMER CLAUSE

This TDS summarizes our best knowledge of this product, including how to use the product based on the information available at the time of publication. You should read this TDS carefully, consider and try out the information in the context of how the product will be used, including in conjunction with any other product, type of surfaces to, and the manner the product will be applied.

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