

Dr. Fixit Multiclor

Special Acrylic resin for Sport Mastic Court

Description

Dr. Fixit Multiclor is a 100% acrylic paint that contains ingredients for weight gain and friction support from use. It helps to hold and protect water well. Dr. Fixit Multiclor is used for topcoat bitumen waterproofing system and bitumen Flooring Concrete brick surface to help prevent UV rays, heavy use, and good friction for tennis courts. Dr. Fixit Multiclor is good control and balance, fast drying, finished work, resistant to sunlight and water. It prevents mold and environmentally friendly

Standard References

- **Dr. Fixit Multiclor** has obtained Surface Pace Product Assessment and included on the ITF list of Classified Tennis Court Surfaces.
 - Dr.Fixit Multiclor is a part of Acrylic Sport Coating System; Category 2 Medium-Slow.
 - Dr.Fixit Multiclor is a part of Acrylic Sport Cushion System, Category 3 Medium.
 - Dr.Fixit Multiclor is a part of Roofkote Sport Mastic System, Category 4 Medium-Fast.

Areas of Application

- Sport Court, Tennis, Basketball and Futsal
- Coating for Bitumen Waterproof

Rate of Use

* Theoretical consumption without allowance for loss.

- 0.54-0.76 kg/sqm for 2-3 coats, at a dry film thickness of 300 microns.
- 25 kg pail covers approximately 35–40 sqm at 300 microns DFT, and 14-18 sqm at 700 microns DFT.

Method of Application

1. Surface Preparation

- Wait concrete to Full cure for 28 days
- Check if slope is at least 1:300 ratios to prevent standing water.
- Remove defective area until concrete surface is reached.
- Repair area with structural repair mortar and wait until repainted area is fully cured.
- All surfaces should be free from dust, dirt, oil and loose materials.

2. Priming

- Stir thoroughly before use to ensure a homogeneous mixture.
- For concrete surfaces: Apply **Dr. Fixit Denzi Block** as a primer to improve adhesion and seal surface pores. Allow it to dry for 1 - 2 hours before applying the next layer. (Coverage rate depends on the surface porosity.)
- For bitumen mastic surfaces: Apply **Dr. Fixit Multiclor** directly without water dilution.

3. Application

- Apply **Dr. Fixit Multiclor** at 0.54-0.76 kg/m² (dry film thickness 300 microns); 2–3 coats are recommended.
- Do not mix with water or add any other ingredients to the product.
- Allow **Dr.Fixit Multiclor** to cure for at least 2 hours prior to opening to traffic.

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4. Precautions & Limitations

- Apply at dawn to avoid applying on high surface temperature.
- Concrete surface must be completely dry. And without moisture of concrete more than 10%.
- Avoid applying during damp and rainy weather. This will cause surface to be wet with high moisture. And slowing down curing process of **Dr.Fixit Multiclor**; causes air bubble formations and peeling from moisture of original coating breathing through surface during curing.

5. Cleaning

- Immediately wash equipment and tools with water after application.

Technical Information

Properties	Standard Method	Test Results
1. Specific Gravity	-	1.3 - 1.5
2. Solid Content: - by Volume (%) - by Weight (%)	-	70% 72.9%
3. Drying Time: - Surface dry - Hard Dry	ASTM D5895-13	< 15 minutes < 2 hours
4. Recoat Time	-	30 minutes
5. Service Time	-	2 hours
6. Chemical Resistance - Oil, Grease - Salt, Detergents	ASTM D1308-02	Pass Pass
7. Solar Reflectance	UV 3100 UV-VIS-NIR JIS R3106	82.1%
8. Solar Absorptance	UV 3100 UV-VIS-NIR JIS R3106	17.9%
9. Thermal Emittance	UV 3100 UV-VIS-NIR JIS R3106	0.87
10. Hardness (Shore D)	ASTM D2240-07	25
11. QUV 1,500 hours	(ASTM G154-06)	ΔE^* 0.47
12. Bending test (Cylindrical mandrel) Ø 3 mm.	ASTM D522-93A (2008)	Pass

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Drying and Curing time

Substrate temperature	10 °C	25 °C	30 °C	40 °C
Surface (touch) dry, hrs.	2	1	0.45	0.30
Dry to overcoat, minimum, hrs.	4	2	1.30	1
Dried/cured for service, hrs.	8	6	5	4

Remark:

- Dry to overcoat, minimum: The recommended shortest time before the next coat can be applied.
- Dried/cured for service: Minimum time before the coating can be permanently exposed to the intended environment/medium.

Packaging

- 25kg/pail
- Color: White, Blassing Blue, Blue 5015, Dark Blue, Green, Yellow, Red, Grey, Purple

Storage

- Store 12 months in unopen sealed container at cool dry shaded area away from direct sun light and other ignition and heat sources

Health & Safety Precautions

- Dr.Fixit Multiclor is nonhazardous to body contact, if contact with eye rinse eye with clean water

Disclaimer

The product information and the recommendations relating to the application and end-use of Dr.Fixit products, are based on Dr.Fixit's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Dr.Fixit's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability 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 and purpose. Dr.Fixit reserves the right to change the properties of its products without notice, so the company does not assume liability of any legal from this product information.



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