

Traxtite (Spray Version)

Cold Plastic Traffic Surface Coating

Description

Traxtite Spray is a cold plastic (PMMA) with 1:1 mixing ratio used as coating for road and deck surface. It is specially designed for long lasting aesthetic appearance in addition to high durability. Traxtite Spray can be applied both with dual component spray machine and hand tools.

Traxtite Spray cures fast and can immediately open to traffic after an hour of application at tropical climate temperature.

Traxtite Spray a cold plastic viscous material makes from the following four components.

Part A: consists of Methyl Methacrylate Resin (MMA).

Part B: also consist of Methyl Methacrylate Resin (MMA) that will react with part A after mixing procedure.

Part C: Initiator/Hardener consists of powder benzyl peroxide (BPO).

Part D: Aggregates of various size are available to adjust texture and surface friction performance for various safety and other requirements.

Areas of Application

- Traxtite Spray** is best used for are that color retention and attractive appearance is important such as landmark public traffic space, colored safety zone, signature landmark, color designated area, and traffic safety zones.

Rate of uses

*** Theoretical consumption without additional requirements from surface profile nor volume replacement from adding aggregate.**

Standard Application (1 coat) for 1 mm coating.

	kg /m ²			M ² /40 Kg (standard)
	Standard	At Least	At Most	
1 Coat	1.5	1.0	2.0	26.7

Application rate for 1 mm coating with spray-on surface texture aggregate then additional layer of surface finishing.

	kg /m ²			M ² /40 Kg (standard)
	Standard	At Least	At Most	
1st Coat	1.0	0.7	1.5	40.0
Finish Coat	0.7	0.4	1.0	57.1
Total 2 Coats	1.7	1.1	2.5	23.5

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Ramp Application for 4 mm coating.

	kg /m ²			M ² /40 Kg (standard)
	Standard	At Least	At Most	
1st Coat	1.5	1.2	1.7	26.7
2nd Coat	1.5	1.2	1.7	26.7
3rd Coat	1.5	1.2	1.7	26.7
4th Coat	1.5	1.2	1.7	26.7
Total 4 Coats	6.0	4.8	6.8	6.7

Method of Application

1. Surface Preparation

1.1 Asphalt / Bitumen Surface

Asphalt/bitumen surface must be cured, free from soil, dirt, animal drooping, grease, and other contaminants.

1.2 Old & Fresh Concrete Surface

- Concrete texture should be smooth with trowelled finish. Light broom finished is acceptable. Heavy texture will result in uneven thickness and high material consumption.
- Allow fresh concrete to cure for at least 14 days.
- Always concrete surface must be clean, strong, free of all loose dirt, dust free, grease, oil stain, wax, liquid coating/paint, concrete curing agent, grease or other stains that would affect waterproof coating adhesion.
- Remove visible laitance, algae, mound by grinding and clean surface afterwards.
- Open air voids, pock marks, cavities, honeycomb, weak concrete, delaminating layers.

Repair Cracks & Plug Holes

- For concrete surface with, weak concrete, peel off surface, hollow sound checks from knock at concrete condition remove by grinding machine or chipping machine till reaching strong concrete.
- For concrete surface with pinhole or honeycomb can be apply by using structural repair cementitious mortar **Dr.Fixit UniRepair FC** to fill in defects area, afterwards allow repair area to cure for 7 days prior to other work.
- For concrete surface with >3mm crack, groove U shape on crack area to big enough for apply **Dr.Fixit MS 25 Sealant** to seal crack and allow to cure a day prior to working on area.

Surface Levelling

- Always surface must be smooth, for laitance remove laitance surface by saw concrete or scrubbing down with wire brush.
- Adjust slope 1:100 on roof terrace application to allow water to drain.
- All surface area must be smooth and any defects concrete surface can be apply by use structure repair cementitious mortar **Dr.Fixit UniRepair FC** to fill in damage area, afterwards allow repair area to cure for 7 days prior to other work.

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1.3 Ramp Application and Heavy Duty Areas

- For concrete surfaces, scarify the surface using a concrete scarifier machine to chip and roughen concrete surface and enhance product adhesion.
- Prime with one coat of **PMMA Sealer**. Allow the coat to dry for approximately 1 hour before applying **Traxtite Spray**.

2. Priming

- Prime with one coat of **Denzi Block** and allow it to cure for 48 hours before applying **Traxtite Spray**.

3. Mixing

- Mix part A with a mechanical mixer at speed of 500 rpm for 1 minute.
- Mix part B with a mechanical mixer at speed of 500 rpm for 1 minute.
- Add Initiator (part C) to Part B only and mix with mechanical mixer at speed of at least 500 rpm for 1 minutes.
- Adjust flow of two component spray machine to desired rate. Components of part A and Part B must have equal flow rate.
- Adjust flow of texture to desired rate.

4. Application

4.1 Asphalt and Primed Concrete

- Ensure that the road surface temperature is not below 10°C nor above 45°C throughout application duration.
- Leave the 1st coat with texture to cure for 1 hour prior to applying finishing topcoat.
- Leave the coat dry for 1 hour prior to apply additional line or signage.
- Allow to fully cure for 1 hour prior to release the coated area to service.
- In case where friction is required, sand sprayed immediately after the first coat is applied. Then leave it to dry for approx. 1 hour.

4.2 Ramps Application

- Apply **Traxtite Spray** for 3 coats, ensuring the finish coating has a thickness of at least 3 mm. to 5 mm. (Coverage: 4kg. to 8kg. per sqm.)
- There should be an interval of approx. 1 hour between each coat.

5. Cleaning

- Clean all tools and equipment with **PMMA Cleaning Fluid** immediately after use.

6. Precautions & Limitations

- Surface must be completely dry with moisture level at <15%.
- Working temperatures 10 to 45°C.
- Do not apply under direct sunlight & hot weather conditions such as in the morning as it can cause products to harden too rapidly.
- Do not add water or paint thinner into **Dr.Fixit Traxtite Spray**.

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Technical Information

Properties of Part A and Part B	Standard/Test Method	Results
1.Viscosity KU @ 25°C (Part-A)	ASTM D562	90-110 KU
2.Viscosity KU @ 25°C (Part-B)	ASTM D562	90-110 KU
3.Density (Specific Gravity)	ASTM D1475	1.40-1.60
4.Solid Content % by weight	BS EN 12802	100%
5.Minimum time before release to traffic	-	60 minutes
6.QUV Test 1000 hrs.	ASTM G154-16 (Cycle 2)	Paint film is normal, not chalking

Pot Life and Setting Time			
Temperature (°C) (surface)	Pot Life (min)	Setting Time(min)	Setting Time(min) Minimum time before applying next coat
10	20-30	40-60	50-70
20	15-25	20-40	30-50
30	8-15	10-25	15-30
40	5-10	8-15	10-20

Packaging

- 40kg set (Part A: 20kg, Part B: 19.2kg).
- Part C: 800g.
- Optional aggregate and glass bead.

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Storage

- Store in dry and cool rooms for up to 3 months. Protect the material against moisture and direct sunlight.
- Recommended storage temperature: 5°C – 35°C.
- Products should remain in their original, unopened containers, bearing the manufacturer's name, product designation, batch number and application precaution labels.

Health & Safety Precautions

- Easy to ignite and keep away from flames.
- Toxic, avoid inhaling, eating & skin contact.
- Avoid eye contact, keep away from children, wear PEE respirator, goggle, gloves, protective clothing during application.

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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