

Dr. Fixit Zefti Kwik

Water-Based Traffic Paint TIS2529 Standard

Description

Dr.Fixit Zefti Kwik is water-based acrylic traffic paint for road line & road marking. It is quick drying, quick to open to traffic about 15 minutes. It has retroreflective when mix glass beads on road surface.

Dr.Fixit Zefti Kwik is easy to use, spray/brush application. Apply on Portland cement concrete, asphaltic concrete and on pavement kerb (sidewalk curb).It is excellent tyre (tire) resistant, stain resistant and prevent spalling. It is Environment Friendly.

Areas of Application

- Brush/roll on asphaltic concrete, concrete, brick, and bitumen mastic system

Rate of Uses

* Theoretical consumption without allowance for loss.

* Depending on surface porosity.

Rate of Uses for flat cement surface (Brush/roll)						
	Litre / m ²			m ² /gallon (1 Litre)	m ² /gallon (3.785 Litre)	m ² /pails (18.925 Litre)
	Standard	At Least	At Most			
1 Coat	0.20	0.17	0.22	5	19	94
2 Coats	0.20	0.17	0.22	5	19	94
Total 2 Coats	0.40	0.35	0.45	2.5	9	47

Rate of Uses for vertical cement surface (Brush/roll)						
	Litre / m ²			m ² /gallon (1 Litre)	m ² /gallon (3.785 Litre)	m ² /pails (18.925 Litre)
	Standard	At Least	At Most			
1 Coat	0.10	0.90	0.11	10	38	188
2 Coats	0.10	0.90	0.11	10	38	188
Total 2 Coats	0.20	0.18	0.22	5	19	94

Thickness

(Brush/roll)

Thickness for flat cement surface (micron)			
	Standard	At Least	At Most
1 Coat	150	100	200
2 Coats	150	100	200
Total 2 Coats	300	200	400

Thickness for vertical cement surface (micron)			
	Standard	At Least	At Most
1 Coat	75	50	100
2 Coats	75	50	100
Total 2 Coats	150	100	200

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Method of Application

1. Surface Preparation

Concrete & Bitumen (Asphalt Concrete) Surface

- Concrete & asphalt concrete surface must be strong, clean, free of loose dirty materials, dirt, oil stains, wax, mould release agent and concrete curing agent, grease, other stains that will affect **Dr.Fixit Zefiti Kwik** adhesion
- New concrete & bitumen (asphalt concrete) surface should be left to cure at least 28 days
- Crack and porous surface must be repair and turn unto smooth surface. Allow repair surface to dry completely free of moisture for 7 days.
- Surface must be dry with moisture level not exceeding 10%
- Original painted surface with flaking paint, remove all flaked paints until reaching strong surface, repair remove surface with Dr.Fixit structure repair cementitious mortar **Dr.Fixit UniRepair FC** then allow to dry, concrete surface must be sanded for smooth surface
- For vertical cement surface must be apply **PRIMER DA** and leave coat to dry completely 1-2 hours before next application.
- For flat cement surface, apply a primer to prevent moisture from below with **Dr. Fixit Denzi Block**, let it dry for 1-2 hours before continuing to work.

2. Application

- Thoroughly stir material 1 to 2 minutes prior to application
- Recommend to apply in the morning to avoid applying on high surface temperature build-up during the day
- Brush/roll 1st coat at 0.17 – 0.22 kg/sqm./coat coverage
- Allow to dry 15 minutes prior to applying next coat, apply 2nd coat perpendicular from 1st coat. Brush/roll **Dr.Fixit Zefiti Kwik** WB 2 coat minimum. Can spread glass bead when apply 2nd coat
- Should allow **Dr.Fixit Zefiti Kwik** to dry for 24 hours prior to fully open to traffic
- **Dr.Fixit Zefiti Kwik** can apply both by spray and road line marking machine

3. Precautions & Limitations

- Working Temperature 10 to 35 °C
- Do not mix water into **Dr.Fixit Zefiti Kwik**
- Avoid applying under sunny weather & hot surface temperatures conditions. Recommend time to apply around before 10AM or in the evening in Thailand climate conditions
- Must be concrete surface dry with moisture level no more than 10%
- Avoid applying under raining condition. Rain cause surfaces to be wet & moist slowing curing time of **Dr.Fixit Zefiti Kwik**, causing air bubbles & delamination
- Do not apply on area of negative water pressure such as area where water seep through concrete foundation
- Do not apply area regularly immerse in water such as water tank, swimming pool

4. Cleaning

- Immediately wash equipment and tools with water after application due to **Dr.Fixit Zefiti Kwik** being quick drying

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Technical Information

Properties	Test Methods/ Standards	Results
1.Appearance	-	Liquid
2.Specific Gravity (g/ml)	ASTM D70-03	1.64
3.Solid Content by Volume (%)	-	75%
4.Solid Content by Weight (%)	-	76.8%
5.Abrasion Resistance	ASTM D4060	1.04 g / cycle 1000 rpm

Drying and Curing time

Substrate temperature	10 °C	25 °C	30 °C	40 °C
Surface (touch) dry, hrs.	1.00	0.30	0.20	0.15
Dry to over coat, minimum, hrs.	2	1.0	0.45	0.30
Dried/cured for service, hrs.	6	3	2	1
Thickness Recommend, Micron				
At least	200			
At most	400			

Drying and curing times are determined under controlled temperatures and relative humidity below 60%, and at average of the DFT range for the product.

Surface (touch) dry: The state of drying when slight pressure with a finger does not leave an imprint or reveal tackiness.

Dry to over coat, 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

- 1ltr, 3.785ltr and 18.925ltr
- 4 Colours; White, Yellow, Red, Black

Storage

1 year in sealed dry container kept under shaded area at 5 to 30°C temperature

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Health & Safety Precautions

- Store in cool area
- Keep away from flames
- Avoid long and repeated skin exposure to **Dr.Fixit Zefiti Kwik**
- Avoid inhaling **Dr.Fixit Zefiti Kwik** vapour & mist from spray
- When not using **Dr.Fixit Zefiti Kwik** should immediately close package lid securely
- Wear PEE equipment consist of respirator, goggles & 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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