

TRAFFIGARD

EXPOSED WATERPROOFING SYSTEM

DATA SPECIFICATION SHEET

DESCRIPTION

The Traffigard system is a seamless, liquid-applied, elastomeric waterproofing membrane that is available in a range of colours. The system consists of modified acrylic polymer with fibreglass reinforcement mat for better strength, build and wear resistance.

The Traffigard system can be easily applied onto any shapes and contours. It can be re-coated and therefore can be repaired easily if there are damages caused to it.

COMPOSITION

Traffigard roofing system consists of five primary layers:

- **Primer**

It fills hairline and minor cracks on the substrates, thus providing strong adhesion between substrate and membrane.

- **Body Coat**

The heavy-bodied acrylic polymer gel which has high viscosity for building up the membrane and strengthening the system.

- **Fiberglass Mat**

It is formed with a very tough fiberglass to reinforce wear and tear resistance.

- **Second Body Coat**

Another body coat is applied after the fiberglass mat layer to seal up the system.

- **Topcoat**

A topcoat is applied over the body coat for added protection and an attractive surface finish.

PRODUCT SPECIFICATION

COLOUR	: Available in a range of decorative colours
PACKING SIZE	: 20 litre / pail
SHELF LIFE	: 2 years in unopened container
THINNING	: The material shall not be diluted
DRY FILM THICKNESS	: 0.8mm - 1.0mm
ELONGATION (ASTM D142)	: $\geq 500\%$
TENSILE STRENGTH (ASTM D412)	: $\geq 2.5 \text{ N/mm}^2$
WATER VAPOUR TRANSMISSION (ASTM E96)	: $3.19 \text{ g/m}^2/\text{hr}$
ADHESION TO SUBSTRATE (ASTM D4531)	: 1.3 N/mm^2
SHORE A HARDNESS (ASTM D2240)	: ≥ 75
SPREAD OF FLAME (BS 476 Part 7)	: Class 3
QUV ACCELERATED WEATHERING FOR 2000 & 3000 HOURS (ASTM G53)	: Passed
IMPACT RESISTANCE OF COATINGS (ASTM D2794)	: No Cracks
WATER PENETRATION (DIN 1048)	: No Penetration at 5 bars
CRACK BRIDGING (ASTM C836)	: No Cracks at 2mm width
COLOUR FASTNESS	: No defect after 2000 Hours in QUV weatherometer

AREAS OF USAGE

The Traffigard System tolerates light foot traffic and is ideal for waterproofing of roofs, walk-out decks, patios, etc.

APPLICATION

SUBSTRATE PREPARATION

All surfaces to receive waterproofing membrane shall have a sound, smooth and free from dust, laitance, loose matter, oil or other contaminants. Concrete should be cured 28 days and render for 7 days.

SUBSTRATE APPLICATION

PRIMING:

Apply primer to the entire prepared surface either by brush or roller. The standard primer used for this system is Traffigard Primer-C or W. In some cases, the primer used may be different depending on the type of substrates as stated below. Spreading rates and drying/re-coating times are indicative only and depend on the type and condition of the substrate, temperature and humidity, etc.

Normal concrete and plaster: Traffigard Primer-W shall be applied at coverage of 0.2 Litres / m² and re-coating time is 3 hours.

Dense or powdery concrete and plaster: Traffigard Primer-C shall be applied at a coverage of 0.2 Litres /m² and re-coating time is 3 hours.

BODYCOAT AND REINFORCEMENT:

Apply Traffigard Bodycoat by roller at 0.5 Litres/m² and immediately roll in the fibreglass mat. Apply a second coat of Traffigard Bodycoat at 0.5 Litres/m². Ensure that the entire fibreglass mat is fully embedded between coats. Allow to dry the body coat for about 12 hours before top coating.

TOPCOAT:

Apply by roller Traffigard Topcoat at 0.3 Litres/m² and allow to dry for at least 24 hours before allowing light foot traffic.

PONDING TEST

Ponding test can be carried out 3 days after application of the topcoat.

HEALTH & SAFETY

Read the product label and Material Safety Data Sheet (SDS) before use. Users should acquaint themselves with all risk and safety phrases.

Place Product
Sample Here

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Revision A

All data given and statements and recommendations made herein are base upon our research and experience and are believed to be accurate. However, no guarantee of their accuracy is made or applied. This data specification supersedes all other issues.