



FORCE 4000 TRAFIC

MULTI-USE APPLICATION WATERPROOFING SYSTEM

USAGE

FORCE has been specially designed for multi-use application and to be suitable for a wide variety of waterproofing systems.

FORCE is a waterproofing system for use on raised access decks used as:

- Parking for light & heavy vehicles
 - Traffic for light vehicles & pedestrians
 - Ancillary areas: roof gardens & paving slabs on supports
- The systems can accept various methods of protection
- Main waterproofed area :
 - Hot or cold rolled macadam.
 - Wearing course of concrete or asphalt.
 - On ancillary areas:
 - Cobble stone paving on a sand/cement screed.
 - Concrete or brick pavers on a sand/cement screed.
 - Soil or other growing medium.
 - Concrete slabs on paving slab supports.
 - Drainage and filter plus soil or other growing medium topped with turf.

Uninsulated concrete deck with a pitch between 1% & 5%.



PRODUCT

FORCE is a torchable membrane made from a 4.5mm thick bituminous SBS binder. Reinforced with a heavy non-woven polyester 250g, it is coated on the undersurface with a torchable plastic film and on the surface with white granules. The selvedge width is 80mm.

FORCE contains an anti-root additive.

FORCE is applied with a torch, ensuring a full bond to the concrete deck.

PERFORMANCE FINISHED PRODUCT

Resistance to point loading	: 35kg
Elongation	: 45%
Tensile strength	: 1,000N/5cm
Tear resistance	: 30 daN
Cold flexibility	: -20°C

COMPOSITION

Non-woven polyester	: 0.250kg/m ²
Elastomeric bitumen	: 3.470kg/m ²
Plastic film	: 0.010kg/m ²
Granules	: 1.200kg/m ²
Anti-root additive	: 0.020kg/m ²

ELASTOMER SBS BITUMEN

Elongation	: 1500%
Penetration at 25°C	: 40
Softening point	: 125°C
Cold flexibility	: -20°C
Tensile strength	: 70N/cm ²

ADVANTAGES

- High performance product, with an anti-root additive to ensure a fully waterproof seal.
- Unique product for flat roofs with different types of protection.
- Easy application.
- Installation technique approved by official organisations.
- Very high performances product due to its concept.
- Improved resistance to tearing, permanent deformation and puncture due to its polyester.
- Excellent stability and good flexibility.
- Safe and strong system.

Application of FORCE 4000 TRAFIC

Installation of FORCE 4000 TRAFIC Application of the waterproofing membrane (Figs. 1, 2 & 3)

1. Application of the first roll :

- Re-roll the first roll
- Heat the undersurface. The plastic film and the SBS binder should both melt.

2. Application of the second and subsequent rolls :

- After partial unrolling to align it, re-roll the second roll, then burn off the plastic film that protects the selvedge of the first roll.
- Fully torch the second roll to the substrate and to the selvedge of the first roll. The plastic film should melt and a small bead of SBS binder should ooze from the joint.



Sealing the end laps (Figs. 4 & 5)

3. End laps 10 cm

- Before sealing laps, crush with a warm spatula the end of the roll already laid across its width and heat about a 10cm width of the granular surface.
- VERY IMPORTANT : After sealing: BEVEL the selvedge BEVEL of the end lap with a warm spatula.

4. Carefully bond the overlap joint.

5. Stagger all joints.

Principles of FORCE 4000 TRAFIC



- ❶ Deck
- ❷ AXTER Primer
- ❸ FORCE 4000 TRAFIC
- ❹ Bituminous coating
- ❺ Reinforcement strip

- ❻ FORCE 4000 TRAFIC upstand
- ❼ Pointing
- ❽ Paving slabs on supports
- ❾ Pavers
- ❿ Soil

Presentation

Weight per m	: 2.5 kg/m ²
Total membrane thickness	: 4.2mm
Selvedge thickness	: 4mm
Roll length	: 8m
Roll width	: 1m
Nominal roll weight	: 39.4kg

Axter Ltd
West Road
Ransomes Europark
Ipswich
Suffolk
IP3 9SX

tel: 01473 724 056
fax: 01473 723 263
email: sales@axterltd.co.uk
web: www.axter.co.uk

