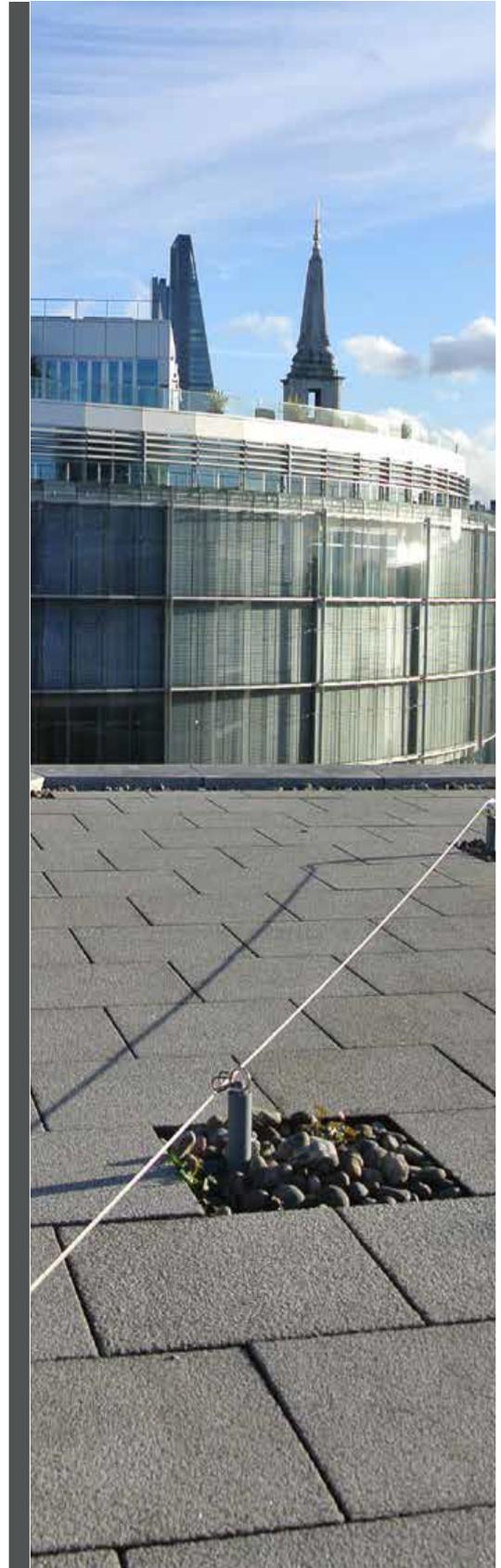




DUOFLEX

Hot Melt Structural
Waterproofing

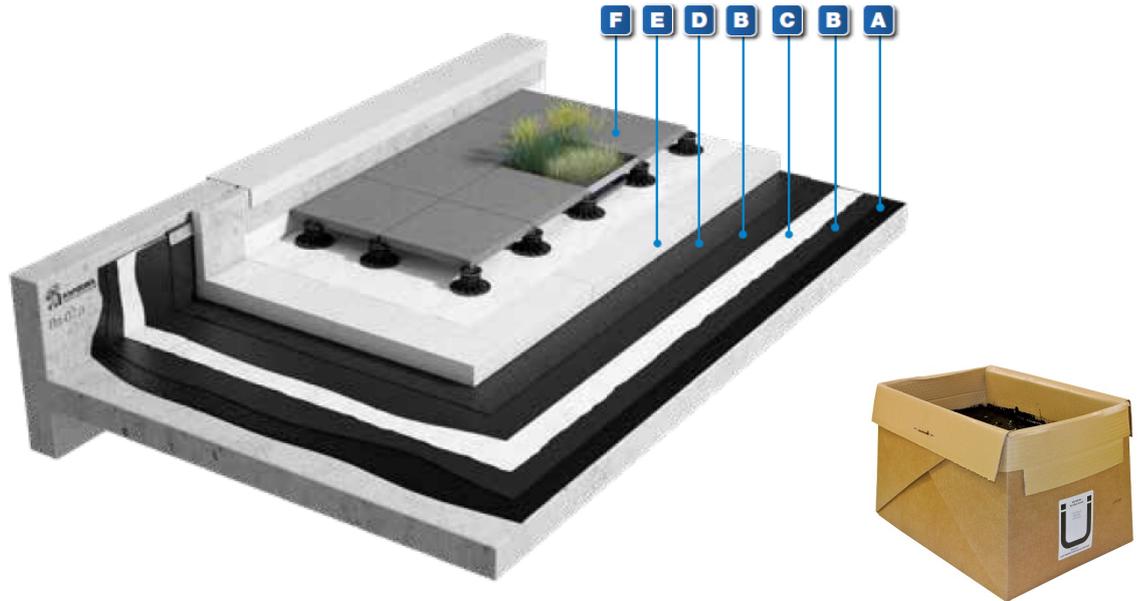


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SUPERIOR RESISTANCE AND LONGEVITY

The Duoflex structural waterproofing system includes a complete offering of primers, waterproofing, protection sheets and accessories, providing high performance solutions for new build and refurbishment flat roofing applications.

Duoflex is a high quality elastomeric bitumen, hot bonded to the substrate incorporating the fleece in the Duoflex Hot Melt waterproofing system. It can also be used for bonding bituminous membranes and insulation materials which are resistant to the processing temperature of hot bitumen.



DUOFLEX PAVED / BALLASTED SYSTEM					
A	B	C	D	E	F
PRIMER	DUOFLEX WATERPROOFING	REINFORCEMENT FLEECE	PROTECTION SHEET	INSULATION	BALLASTED FINISH

ADVANTAGES:

- + Low life cycle costs
- + Superior flexibility
- + Self-healing
- + 100% bonded to the structure
- + Suitable for zero falls application





WATERPROOFING EXPERTISE

The Duoflex structural waterproofing system includes a complete offering of primers, waterproofing, protection sheets and accessories, providing high performance solutions for new build and refurbishment flat roofing applications. On-site training is also available.

GUARANTEED LONGEVITY

Duoflex is a formulation of rubberised bitumen, modified with SBS (styrene butadiene polymer resins), supplied in solid blocks ready for on site melting. The Duoflex systems are installed with a high resistance reinforcement, and once installed, these systems are designed to last the lifetime of the structure to which they are applied. In addition to their superior physical characteristics, Duoflex structural waterproofing systems are suitable for installation under green roofs, ballasted and paved areas.

CERTIFICATION

Duoflex structural waterproofing systems are BBA certified. Soprema products are manufactured according to the principles of sustainable construction, respecting the environment, human resources and the economy.

CHARACTERISTICS

Flexibility after aging (EN 1425)		remains very elastic
Penetration (25°C) (1/10 mm) (EN 1426)		≥ 60
Softening point (°C) (EN 1427) R&B		± 105
Breaking point (°C) (EN 12593) Fraas		-36
Elastic recovery (%) (EN 13398)		≥ 100
Rigidity (MPa) ([-]) (AASHTO TP1) Bending Beam Rheometer		
	-16 °C	32 (0,41)
	-22 °C	83 (0,34)
	-28 °C	159 (0,30)
Rigidity G (kPa) (AASHTO TP5) Dynamic Shear Rheometer		
	20 °C	532
	30 °C	237
	40 °C	105
	50 °C	44
	60 °C	20
	70 °C	20
	80 °C	6
Phase shift angle δ (-) (AASHTO TP5) Dynamic Shear Rheometer		
	20 °C	38
	30 °C	38
	40 °C	40
	50 °C	45
	60 °C	45
	70 °C	43
	80 °C	41

Consumption

± 6 kg/m²



TECHNICAL SERVICES

Waterproofing Systems Training

Roof Surveys / Condition Reports Specifications

Rainwater Calculations

Wind Uplift Calculations

'U' Value & Condensation Risk Analysis

Roof Safety Advice

Roof Mounted PV Calculations & System

Green & Blue Roof Design

www.icb.uk.com

ICB (Waterproofing) Ltd.
Unit 9 -11, Fleets Industrial Estate,
Willis Way, Poole, Dorset, BH15 3SU UK

Tel: 01202 785200 Fax: 01202 785201

 @icb_uk

