

duoflex
by SOPREMA



**HOT MELT
STRUCTURAL
WATERPROOFING**

DUOFLEX



SOPREMA
GROUP

DUOFLEX

AN INTRODUCTION

Expertly blended bituminous structural waterproofing systems, that provide superior resistance and longevity for inverted flat roof applications, plaza and podium deck applications.



DUOFLEX

STRUCTURAL WATERPROOFING



WATERPROOFING EXPERTISE

Worldwide leader in the field of waterproofing and insulation systems, SOPREMA is recognised for high quality products and technical expertise. For over 100 Years, SOPREMA has been known for its utilisation of advanced research and development capabilities that do not follow trends, but set the mark for the competition to follow.

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.

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.

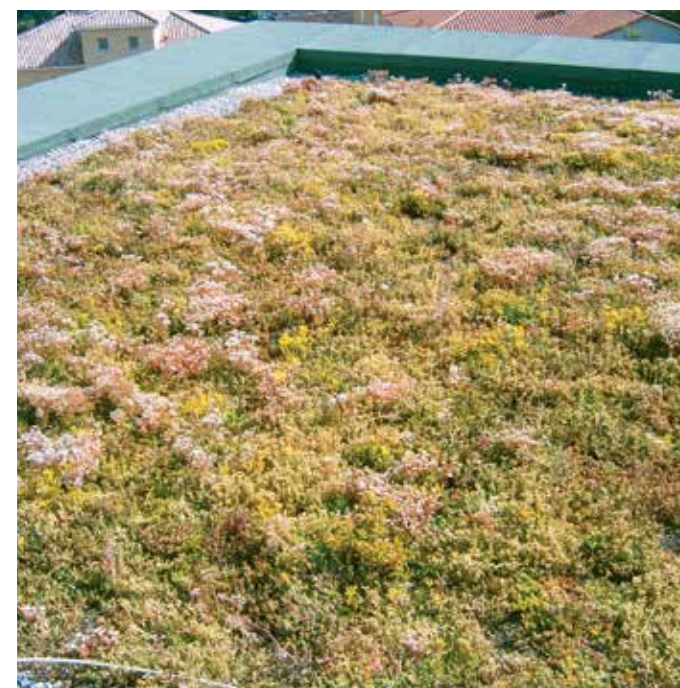
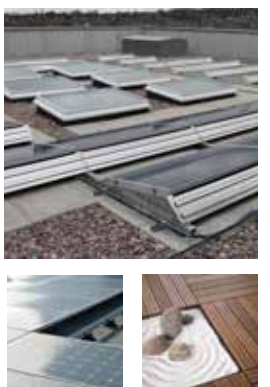


ADVANTAGES

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

SOPRACOVER WARRANTY

Duoflex structural waterproofing systems are covered by the Sopracover warranty, the term of the warranty is determined by the system specified. All SOPREMA products are installed by approved contractors to ensure a consistent standard of workmanship. There are no minimum surface area or project value requirements to qualify for the Sopracover warranty.



TECHNICAL SERVICE

Technical expertise is a key strength of SOPREMA, technical experts are available to assist you from design right through installation, providing the following services:

- » Surveys, core samples and condition reports
- » Design consultations and advice for new build projects
- » Standard details and CAD drawings
- » Educational seminars
- » Detailed project specifications
- » Interim and completion site inspections

DUOFLEX APPLICATIONS



HIGH PERFORMANCE

SOPREMA has long been the manufacturer of choice for waterproofing systems, based on high quality SBS modified bitumen, in the highly competitive waterproofing market. Over 100 years of experience in the field of elastomeric bitumen led SOPREMA to the development of the Duoflex structural waterproofing systems.

INSTALLATION

Duoflex blocks are melted on site and applied to surface in liquid form. A high performance reinforcement is incorporated into the system, guaranteeing dimensional stability. Liquid application ensures simple and effective waterproofing. In particular, penetrations and details can be completed first, allowing other trades to complete their work before the main roof areas are installed. Water is prevented from tracking under completed works, making the Duoflex structural systems ideal for phased works. The system can also be installed at temperatures as low as -15°C and requires no on site mixing.

ADVANTAGES

With superior mechanical properties and many installation benefits, Duoflex offers a substantial material cost saving compared with alternative systems. It is designed to retain its durability and elasticity, by accommodating structural movement.

The Duoflex system is self-healing, allowing any minor penetrations to the bitumen to self heal during the usual temperature changes. As the system is designed to last the lifetime of the structure to which it is applied, this system gives rise to particularly low life cycle costs.

- + Optimum adhesion
- + Guaranteed longevity
- + Easy to install
- + Superior technical performance.



INVERTED FLAT ROOFS



Fully reinforced structural waterproofing systems designed for flat roofing applications



GREEN ROOFS



Fully reinforced, root resistant, structural waterproofing systems for green roof applications

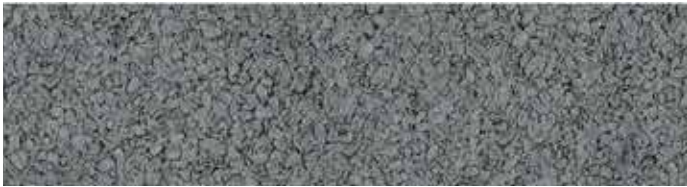


PODIUM DECKS



Fully reinforced, flexible, structural waterproofing systems for podium decks.





DUOFLEX EXAMPLE SYSTEMS

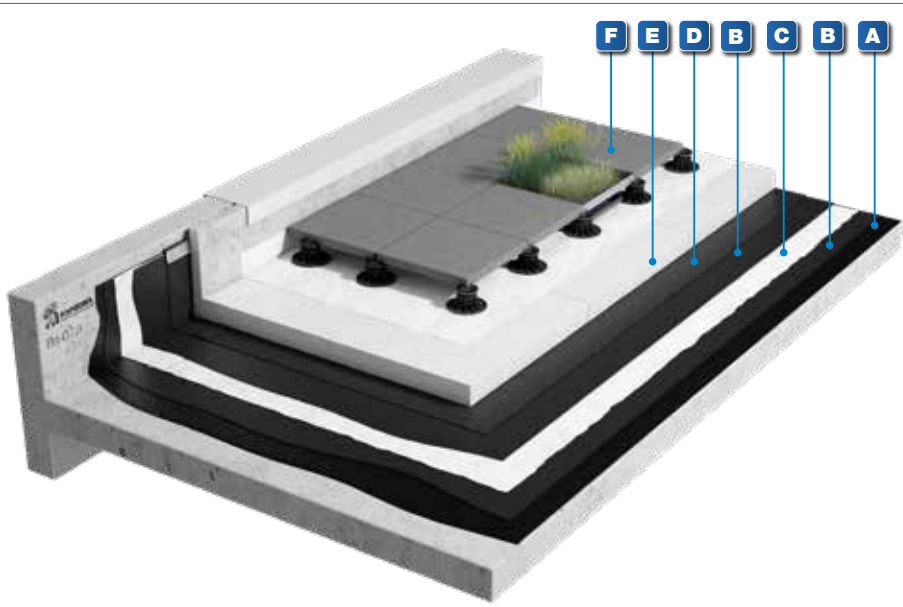


BESPOKE SYSTEMS FOR YOUR PROJECT

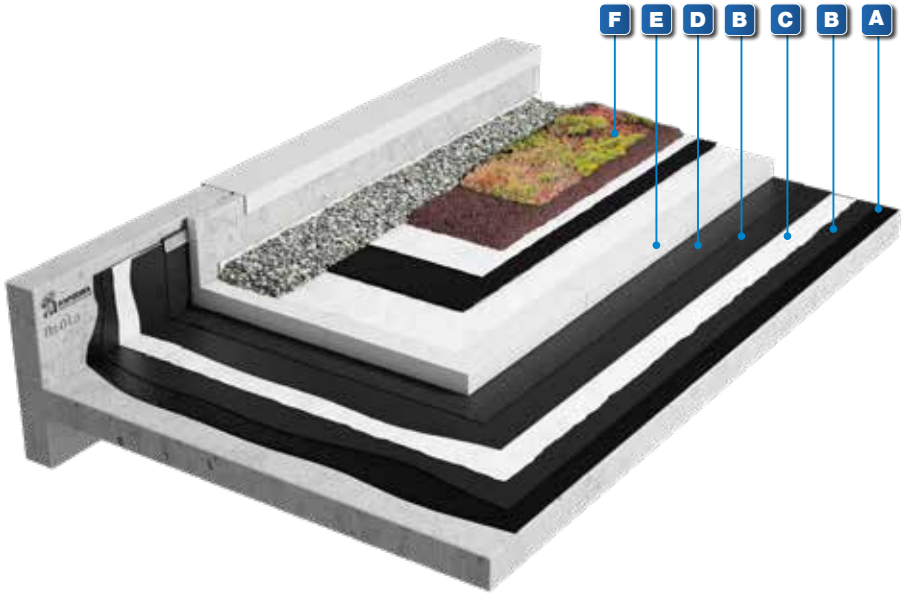
SOPREMA offers a vast range of waterproofing systems and finishes, the systems that are displayed on these pages are indicative of typical system build ups that are specified for roofing projects. For a bespoke system recommendation that meets the individual requirements of your project, please contact SOPREMA. Contact details can be found on the back cover of this document.



ACCESSORIES
A full range of Sopralene compatible accessories including outlets and leaf guards, are available from SOPREMA and covered by the single-point Sopracover warranty.



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



DUOFLEX GREEN ROOF SYSTEM					
A	B	C	D	E	F
PRIMER	DUOFLEX WATERPROOFING	REINFORCEMENT FLEECE	PROTECTION SHEET	INSULATION	GREEN ROOF FINISH

DUOFLEX

FUNCTIONAL FINISHES

The Duoflex structural waterproofing range offers flexible design through a wide range of finishes. SOPREMA offer green roof systems and ancillary components for ballasted or paved finishes, enabling designers to create a functional roof space.

DECORATIVE & FUNCTIONAL



GREEN ROOF FINISH



STONE BALLAST FINISH



PAVED FINISH



SOPREMA GREEN ROOF SOLUTIONS

Green roofs are the perfect way to create sustainable building envelope solutions, promoting biodiversity and turning what would otherwise be wasted space into useful areas for people, wildlife and plants. SOPREMA supply a wide range of green roof systems, to suit every structure. Full design and specification advice is available to assist you with your project.

- + Reduce storm water run off
- + Promote biodiversity
- + Easy to install



PAVED FINISHES

Sopraplots are available from SOPREMA, providing a solution for paved finishes without compromising the integrity of the waterproofing system.





SOPREMA at your service:

Do you have a question about a specific project, the products or application possibilities? Then contact our technical team.

All information can be found on:
www.soprema.co.uk

SOPREMA UK

SOPREMA House
Freebournes Road
Witham, Essex, CM8 3UN

Tel : +44 (0)330 058 0668
info@soprema.co.uk
www.soprema.co.uk

