FLAGON PVC

Synthetic Waterproofing

Waterproofing



SOPREMA



Introduction

Flagon PVC synthetic waterproofing membranes are flexible solutions designed for use in exposed flat, inverted, barrel, mono-pitch, and ballasted roofing applications.

FLAGON PVC

SYNTHETIC WATERPROOFING

Waterproofing Expertise

SOPREMA is renowned for its high-quality waterproofing and insulation system products and technical expertise.
For over a century, SOPREMA has been prioritising research and development to drive innovation rather than just follow trends.

Flagon PVC membranes are built on over 50 years of expertise in synthetic membrane manufacturing, offering reliable and proven effective waterproofing solutions.

Versatility

Modern architecture demands materials that deliver lasting functionality, profitability, and aesthetic appeal. SOPREMA's range of PVC waterproofing membranes were developed to meet these needs.

Reliable and modern, Flagon PVC systems offer a wide array of benefits and are ideal for both new construction and refurbishment projects. The range supports fully adhered, ballasted, and mechanically fixed applications.

Certification

Flagon PVC waterproofing membranes are manufactured with a focus on quality and efficiency, and BBA certified, confirming performance.

SOPREMA are ISO 9001:2015 Certified, with the scope of the management System applying to The Supply of Waterproofing Materials.

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 97/3430

FM APPROVED





Advantages

+ Remains flexible in low temperatures
+ Offers high mechanical strength
+ Resistant to UV rays and weathering
+ Excellent dimensional stability
+ Lifespan exceeds 35 years

Sopracover Warranty

Flagon PVC systems come with standard 20-year warranties, based on the specified system. All SOPREMA products are installed by approved contractors to guarantee consistent quality and workmanship.

The Sopracover warranty has no minimum surface area or project value requirements for eligibility.



Technical Services

Technical expertise is one of SOPREMA's core strengths. Our specialists are available to support you from the design phase through to installation, offering the following services:

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

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APPLICATIONS

Thermo-Plastic Polymer Technology

Flagon PVC membrane systems, utilising thermo-plastic polymer technology, offer exceptional waterproofing protection. These lightweight systems reduce the permanent load on the structure, making them ideal for commercial projects. Their ease of installation and flexibility, combined with excellent dimensional stability, make Flagon PVC systems a perfect choice for large-scale commercial applications.

Flagon PVC systems are especially suited for roofing projects such as stadiums, supermarkets, distribution centers, production facilities, and complex profile designs.

Installation

Flagon PVC membranes are hot air welded and can be installed using various methods, including loose laying, full adhesion, or mechanical fixing to the substrate.



Flat Roofs

Light-weight, reinforced synthetic membrane systems developed for flat and mono-pitch roofs.





Complex Profiles

Decorative, reinforced synthetic waterproofing systems for complex profiles and facades

Curved Structures

Flexible, reinforced synthetic waterproofing systems for curved, barrel and wave form roofs.



	Flagon® SR DE	Flagon® Sb	Flagon® SV	Flagon® S
Waterproofing under protection		√	√	
Waterproofing under plots & pavers		√	√	
Waterproofing under extensive green roof systems	√	√	√	
Mechanically fixed waterproofing	√			
Fully adhered waterproofing		√		
Waterproofing for details				√

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EXAMPLE SYSTEMS

Custom Systems for Your Project

SOPREMA provides an extensive selection of PVC waterproofing systems and finishes. The systems shown here represent typical configurations commonly used in roofing projects. For a tailored system recommendation that meets your project's specific needs, please reach out to SOPREMA. Contact information is available on the back cover of this document.

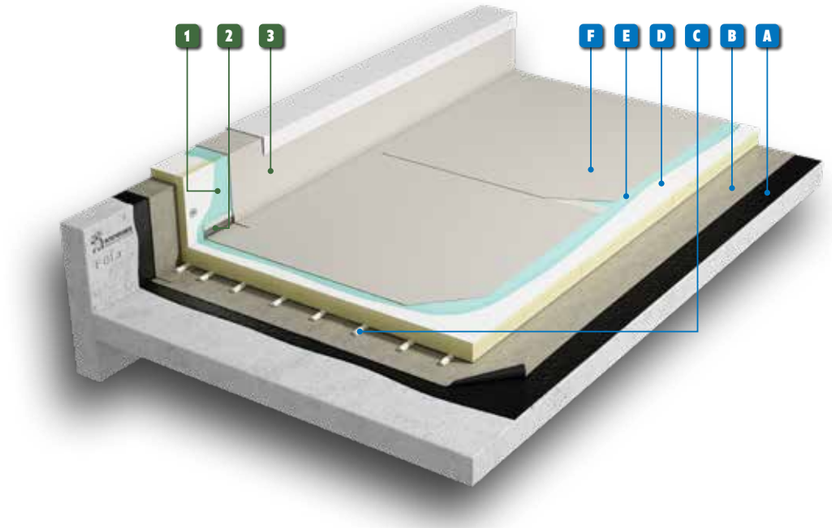
Accessories

SOPREMA offers a complete range of Flagon PVC accessories, including outlets and leaf guards, all covered under the single-point Sopracover warranty.



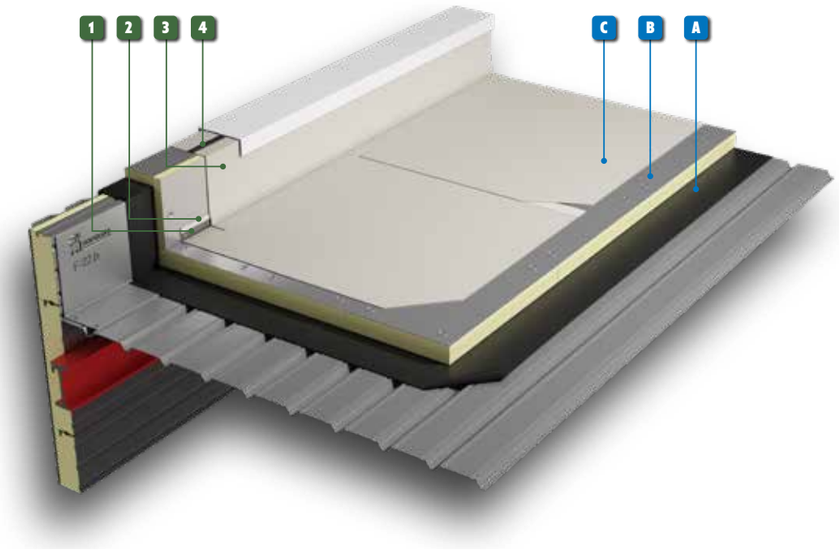






FLAGON PVC FULLY ADHERED SYSTEM

A. PRIMER	B. VAPOUR LAYER	C. INSULATION ADHESIVE	D. INSULATION	E. ADHESIVE	F. WATERPROOFING	1. ADHESIVE	2. METAL	3. WATERPROOFING
ELASTOCOL 600	SOPRAVAP STICK S16	COLTACK EVOLUTION CA	SOPRATHERM	FLEXOCOL W LV	FLAGON SB	FLEXOCOL C	FLAG PEEL STOP	FLAGON SV



FLAGON PVC MECHANICALLY FIXED SYSTEM

A. VAPOUR LAYER	B. INSULATION	C. WATERPROOFING	1. METAL	2. DETAIL	3. WATERPROOFING	4. METAL
VAPOUR FLAG	SOPRATHERM	FLAGON SR	FLAG BAR	PVC FLAGOFIL	FLAGON SR DE	FLAG TERMINATION TAPE

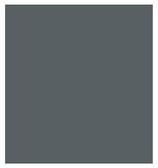
FLAGON PVC

UNRESTRICTED DESIGN

The Flagon PVC range provides total design flexibility, easily accommodating even the most complex structures and architectural profiles. PVC membranes in the Flagon range can be customised in any RAL color to meet specific aesthetic needs.

Additionally, standing seam profiles can be incorporated to achieve the look of a traditional standing seam metal roof. Thanks to its versatility and performance benefits, Flagon PVC systems have become increasingly popular for high-profile projects.

Standard Colours & Finishes

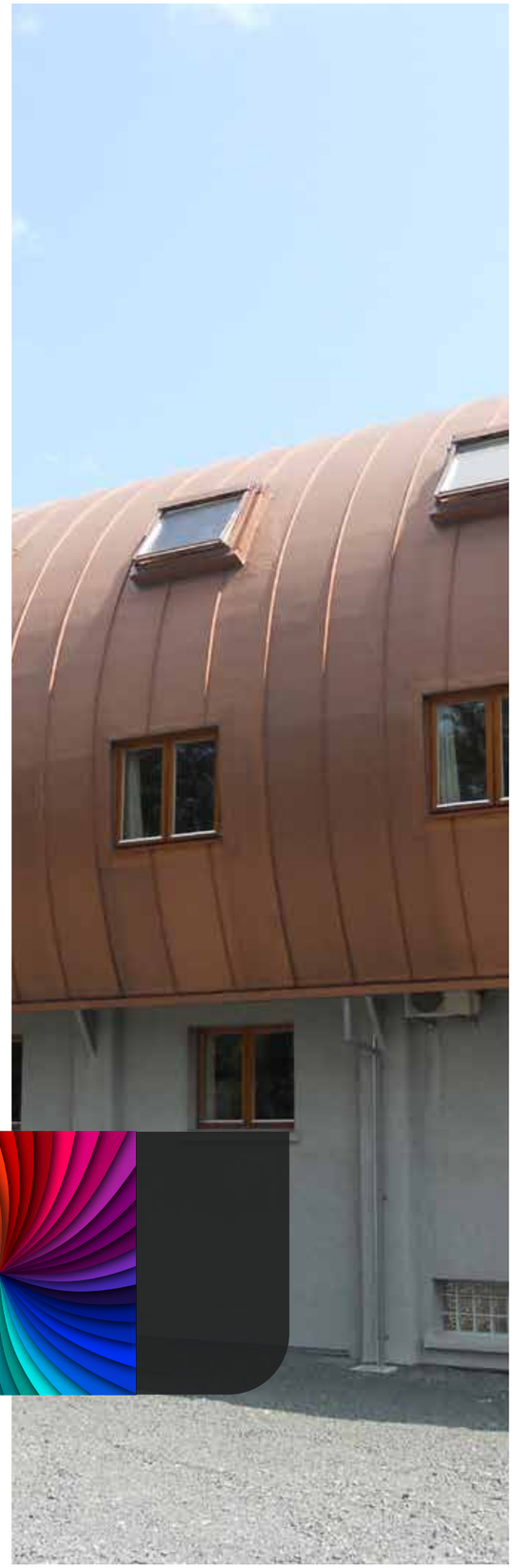

Anthracite


Copper Art

Light Grey


Silver Art


Standing seam profiles are available for Flagon TPO systems, offering an alternative to traditional folded or standing seam metal coverings. Decor profiles are hot air welded to the installed system.



Ral Colours

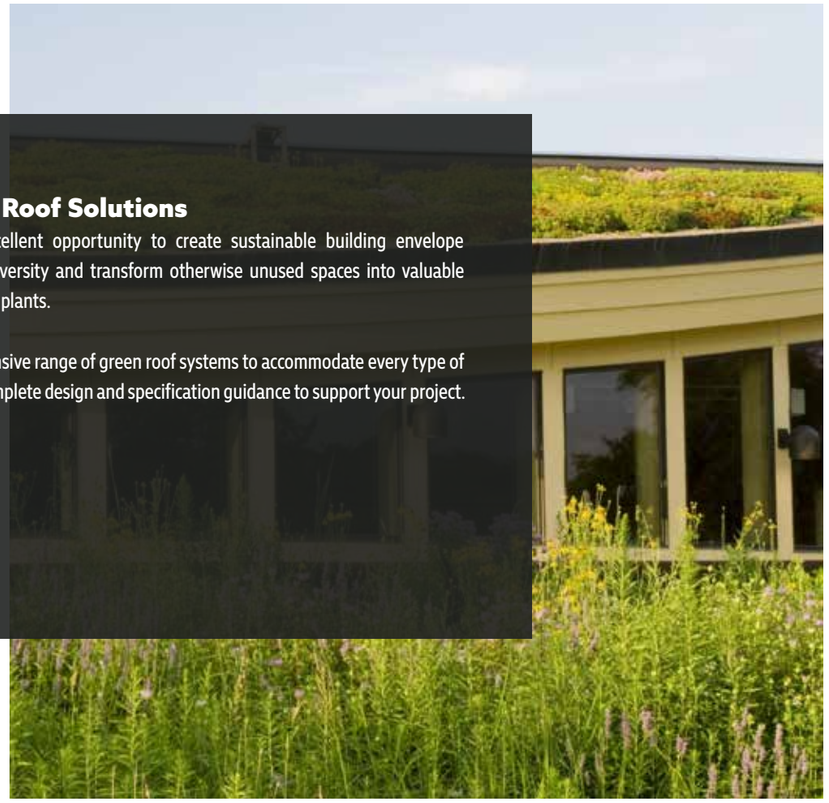
The finishing components in our portfolio can be customised in any RAL colour to meet your specific aesthetic design needs.

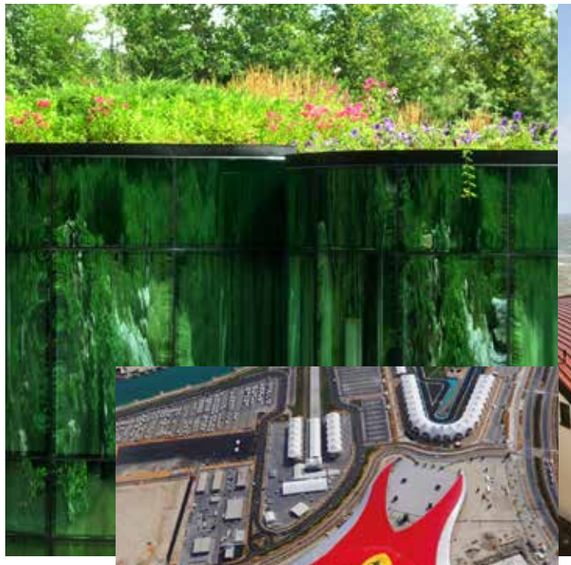
SOPREMA Green Roof Solutions

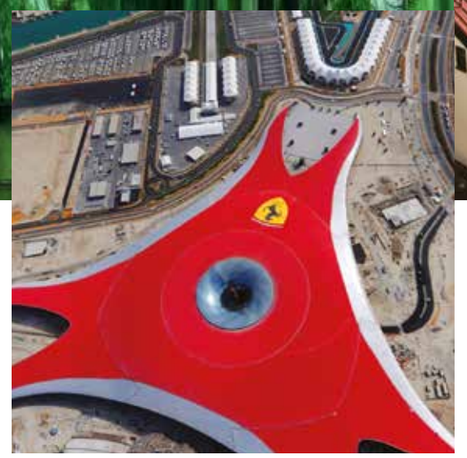
Green roofs provide an excellent opportunity to create sustainable building envelope solutions that enhance biodiversity and transform otherwise unused spaces into valuable areas for people, wildlife, and plants.

SOPREMA offers a comprehensive range of green roof systems to accommodate every type of structure. We also provide complete design and specification guidance to support your project.

- Reduces storm-water runoff
- Enhances biodiversity
- Easy to install









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**

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