

**FLAG**



**SYNTHETIC**  
WATERPROOFING

# FLAGON TPO



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## INTRODUCTION

Flagon TPO membranes; high performance, flexible waterproofing, designed for exposed flat, inverted and green roofing applications.





# FLAGON TPO SYNTHETIC 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.

Flagon TPO waterproofing membranes represent a new generation of synthetic waterproofing solutions, based on pioneering formulations. Flagon development is based on over 50 years of extensive synthetic waterproofing membrane manufacturing experience and industry leading technologies.

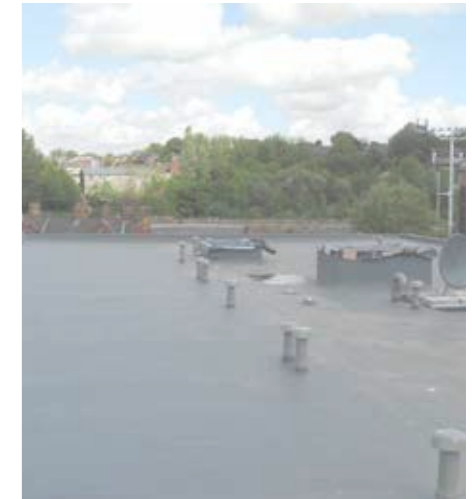
## HIGH PERFORMANCE VERSATILITY

Modern architecture requires high performance and sustainable solutions, providing durable results in terms of functionality, profitability and attractiveness. To meet these requirements SOPREMA has developed a unique range of TPO waterproofing membranes. These modern and reliable systems provide many benefits in particular; sustainability properties and ease of installation.

Flagon TPO waterproofing systems are suitable for both new build and refurbishment projects. The range offers systems for fully adhered, ballasted and mechanically fixed applications.

## CERTIFICATION

Flagon TPO waterproofing is BBA certified and FM approved. Flagon TPO is manufactured according to the principles of sustainable construction, respecting the environment, human resources and the economy!

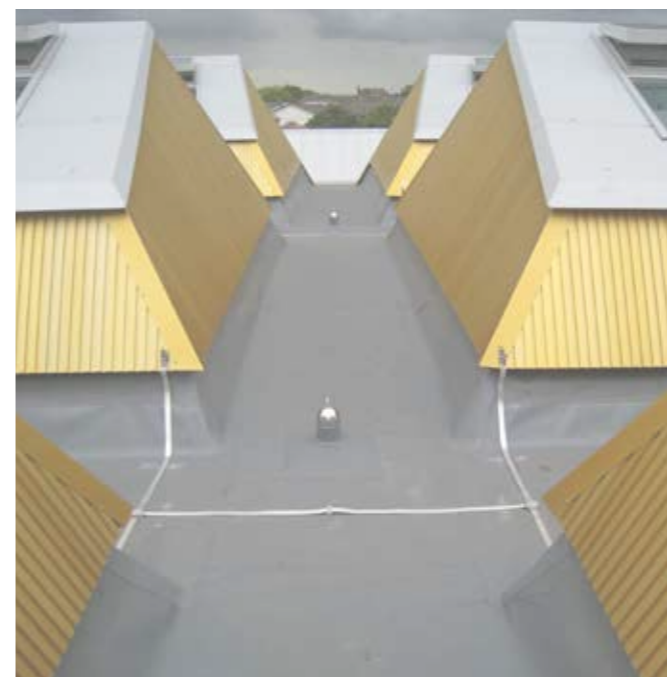


## ADVANTAGES

- + Excellent weldability
- + Non-toxic
- + High puncture resistance
- + Adaptable to structural movement
- + Environment and user friendly

## SOPRACOVER WARRANTY

Warranties of up to 25 years are available for Flagon TPO systems as standard, 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 SERVICES

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

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



# FLAGON TPO APPLICATIONS



## ADVANCED TECHNOLOGY

Utilising thermo-plastic polymer technology, Flagon TPO membrane systems provide excellent waterproofing protection. These systems offer light-weight and sustainable waterproofing solutions, and were the first TPO systems on the market to achieve a certified BRE Green Guide A+ rating, making them particularly suited to green roof and sustainability driven projects.

Flagon TPO systems are the perfect solution for quick and easy installation on exposed roof systems, ballasted roof applications and green roof installations. The non-toxic properties of the membranes provide a solution for waterproofing grey roofs, brown roofs, living roofs and other applications where potable water collection is required.

## INSTALLATION

Flagon TPO membranes are hot air welded and can be loose laid, fully adhered or mechanically fixed to the substrate.

## ADVANTAGES

Flagon TPO membranes have a unique formulation, are light weight and fully recyclable at the end of their service life. With a life expectancy of over 30 years, Flagon TPO membranes guarantee longevity.

- + Environment and user friendly
- + Exceptional dimensional stability
- + High weather and UV resistance
- + Compatible with oxidised bitumen
- + Resistant to root growth



## EXPOSED



Fully reinforced, UV resistant synthetic membrane systems for waterproofing exposed flat and mono-pitched roofs.



## BALLASTED



Fully reinforced, durable synthetic membranes for waterproofing ballasted roofs.



## ROOF GARDEN



Fully reinforced, root resistant synthetic membranes for waterproofing under green roof systems.

| Flagon® EP/PR  |   |   | ● | ● |   |   |
|----------------|---|---|---|---|---|---|
| Flagon® EP/PVF | ● | ● | ● |   | ● |   |
| Flagon® EP/PV  | ● | ● | ● |   |   |   |
| Flagon EP/S    |   |   |   |   |   | ● |



Waterproofing under protection



Waterproofing under plots & pavers



Waterproofing under extensive green roof systems



Mechanically fixed waterproofing



Fully adhered waterproofing



Waterproofing for detail work



# FLAGON TPO EXAMPLE SYSTEMS



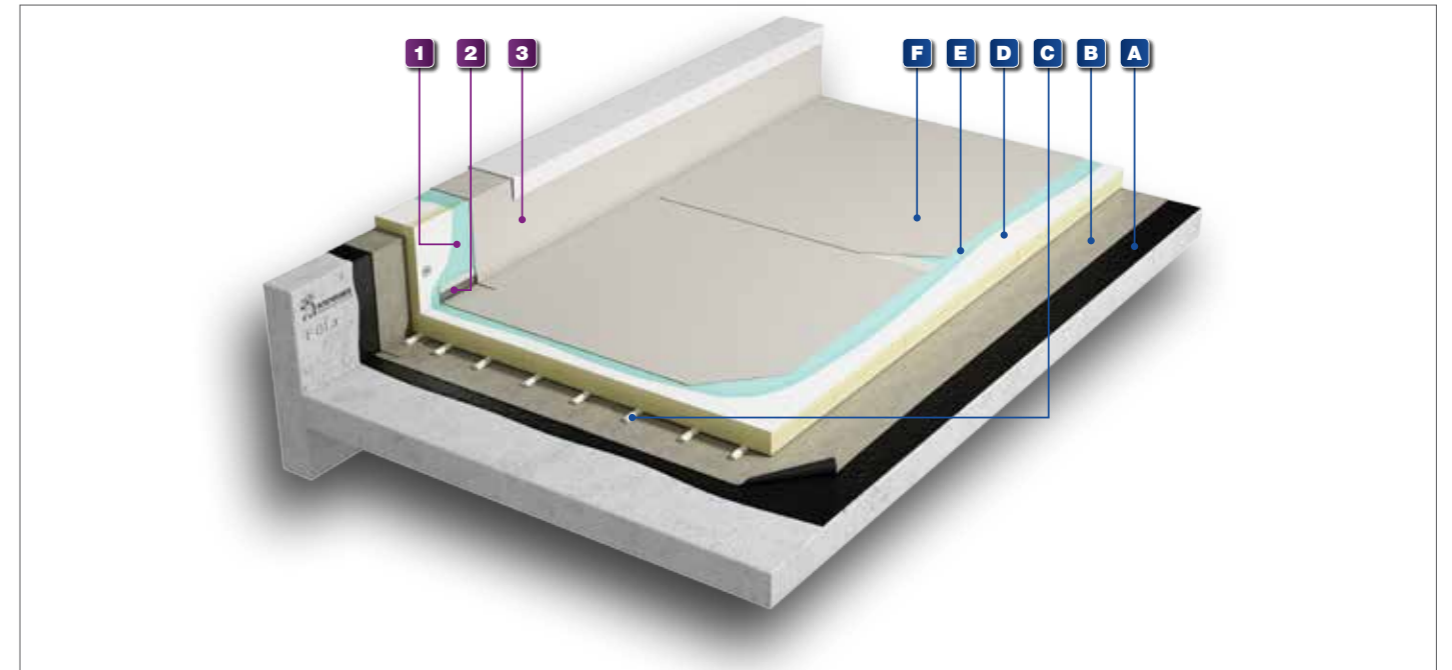
## BESPOKE SYSTEMS FOR YOUR PROJECT

SOPREMA offers a vast range of TPO 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.



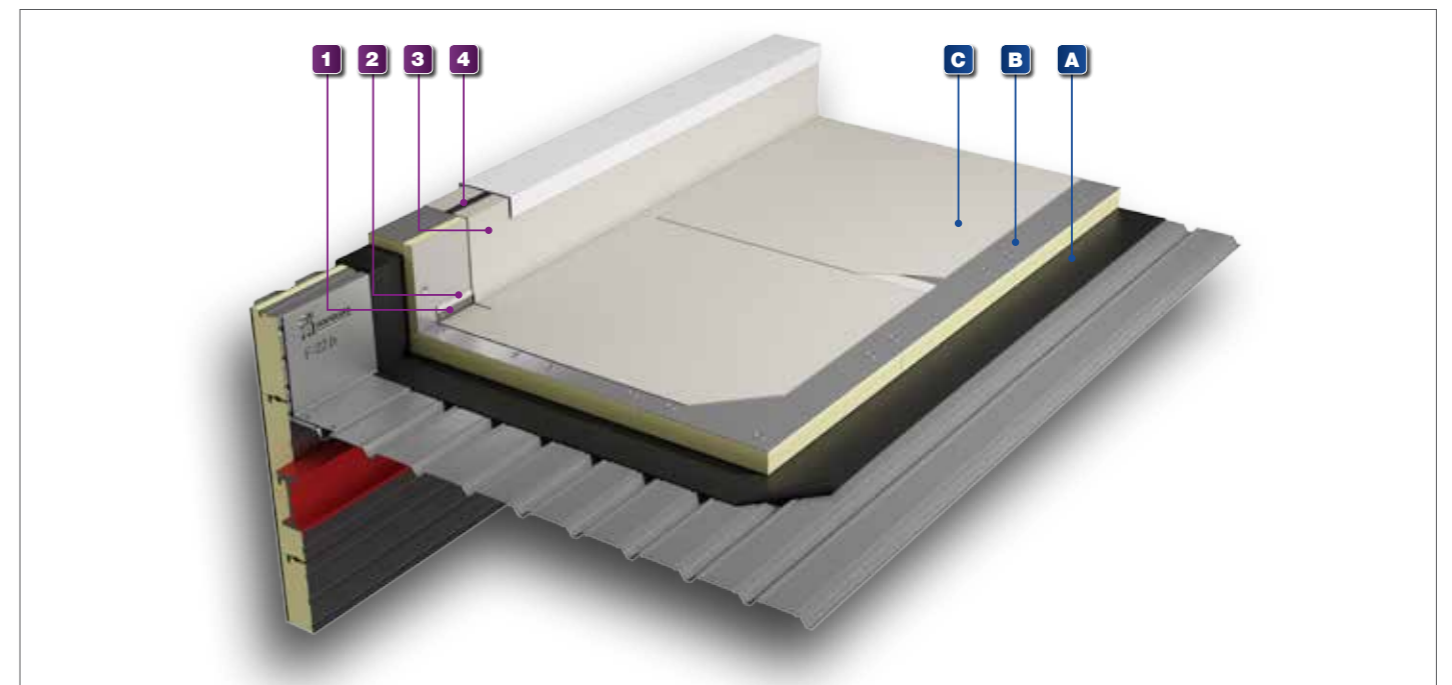
### ACCESSORIES

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



### FLAGON TPO 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 EP/PVF    | FLEXOCOL EP | FLAG PEEL STOP | FLAGON EP/PV     |



### FLAGON TPO MECHANICALLY FIXED SYSTEM

| A. VAPOUR LAYER | B. INSULATION | C. WATERPROOFING | 1. METAL | 2. DETAIL    | 3. WATERPROOFING | 4. METAL              |
|-----------------|---------------|------------------|----------|--------------|------------------|-----------------------|
| VAPOUR FLAG     | SOPRATHERM    | FLAGON EP/PR     | FLAG BAR | TPO FLAGOFIL | FLAGON EP/PR     | FLAG TERMINATION TAPE |

# FLAGON TPO

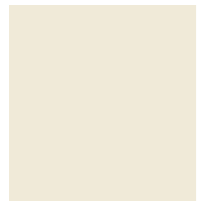
## THE GREEN SOLUTION

The Flagon TPO range offers an environmentally friendly solution for a scope of applications. These systems can be used to waterproof flat roofs, brown roofs, green roofs and grey roofs. Flagon TPO waterproofing membranes are non-toxic and particularly suited to applications that require collection of water for reuse. Flagon TPO membranes are root resistant and can be installed underneath SOPREMA green roof systems. Alternatively, standing seam profiles can be incorporated into the system in order to provide the aesthetic finish of a traditional standing seam metal roof. The flexibility and environmentally friendly properties of Flagon TPO membrane have resulted in these systems being the first choice for sustainability driven projects.

### STANDARD COLOURS & FINISHES



LEAD GREY



SAND



#### DECOR PROFILES

Standing seam profiles are available for Flagon TPO systems, they provide an alternative to traditional folded or standed seam metal covering. Decor profiles are hot air welded to the installed system.



### 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**

