



CHARACTERISTICS

SUBSTRATE

• Compliant with standards.

1 PRIMER

(Only for \geq 35cm waterproofing upstands heights).

• FLEXOCOL TPO.

VAPOUR BARRIER

- **VAPORFLAG** PE Foil (200, 300 or 400µ)
- In other cases: refer to vapour barrier documentation

3 THERMAL INSULATION

- Mineral wool (1 fastener per panel).
- Expanded perlite (1 fastener per panel).
- EPS, PUR, PIR (4 fasteners per panel) a fire resistant separating layer SOPRAVOILE100 must be laid on top.
- The panels must be laid in a staggered pattern with tight joints.
- Please check fire regulations before choosing thermal insulation panels.

WATERPROOFING

- FLAGON® EP/PR is mechanically fastened onto the overlap after which overlaps will be hot air welded. On steel decks, overlaps must be installed perpendiculary to the waves.
- TPO membranes are always fastened a few centimetres around the edge of the roof and any pentices using:
 - FLAGORAIL + possibly FLAGOFIL TPO.
 - Fasteners with 80mm x 40mm steel plates
 - Then hot air welding on a **TPO COLAMINATED STRIP** fastened onto the substrate.
- For the upstands, a FLAGON® EP/PR membrane is welded onto a TPO COLAMINATED STRIP fastened onto the substrate.
- The type and density of fasteners are defined according to our specifications depending on geographical area and building height.
- Different colour finishes for TPO membranes are available.

SOPREMA TIPS



- TP0 membranes and thermal insulation: TP0 membranes do not require a separating sheet. However, a geotextile (300g/m²) will reduce the spectrum of the thermal insulation panels (self-protected roof) and/or in the case of expanded perlite, to avoid cleaning before hot air welding.
- The positioning of drainage outlets implies a specific designing of the valley structure under water stagnation.
- A 3% slope on the roof avoids water stagnation.

SOPREMA SYSTEM with thermal insulation

CE Marking Technical Approval	FLAGON® EP/PR
	SINGLE PLY TPO SYSTEM
Surface	FLAGON® EP/PR
Total Thickness	1.2mm / 1.5mm / 1.8mm / 2mm / 2.5mm



● Free standing metal upstand fixed on the steel deck ● Thermal insulation panels ● FLAGON® EP/PR membrane ● Pre-drilled metal bar: FLAGORAIL ● FLAGOFIL cord ● FLEXOCOL bonding adhesive ● Mechanically fastened colaminated strip ● FLAGON® EP/PR for upstand

TECHNICAL INFORMATION

UPSTANDS

- In case of a \geq 35cm upstand, **FLEXOCOL TPO** must be used on parapet.
- Use TPO colaminted strip fastened onto the substrate

TECHNICAL ROOF

- Mineral wool Class C (according to UEAtc guideline). Limited to a \leq 5% slope.
- Use a FLAGON® WALKWAY TPO membrane to set the limits of technical areas with a non-slip surface and to increase puncture resistance.

FIRE RATING

• Please contact us for BROOF t2 classification compliant with the EN 13501-5 standard.



14, rue de Saint Nazaire – BP 60121 **67025 STRASBOURG** – Cedex 1 – France Phone.: +33 (0)3 88 79 84 84 – Fax: +33 (0)3 88 79 84 85 e-mail: export@soprema.com

www.soprema.com