

Flagon EP/PR SC

Holder/Issued to

Soprema NV

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Product description

Flagon EP/PR SC synthetic roofing liner a single layer roof covering. The product consists of TPO modified polyolefin on a polyester reinforcement. Thicknesses are 1,2, 1,5, 1,8 or 2,0 mm.

Intended use

The membrane is designed for roof covering of new constructions and for renewal of old felt coverings. It's applied by mechanical fastening. Joints and seams are welded by means of hot air welding. When layed on old bituminous or PVC based coverings, an additional migration/separation layer shall be fitted, according to the associated documents.

Trade name

Flagon EP/PR SC.

Approval

The product have been found to meet the requirements in the following sections of Boverket Building Regulations (BBR):

Roof safety, general	8:241, third paragraph
Fire protection -	
Roof covering class B _{ROOF} (t2)	5:62
Moisture, General	6:51
Moisture, Roofs and attic spaces	6:5325

The product has been assessed according to requirements in certification rule 001 and according to this rule the product fulfil waterproofing class **TKY-A-0234**. This means that the product is approved for application on the following substrates:

- Non-combustible substrate with density $\geq 110 \text{ kg/m}^3$ and compressibility $> 60 \text{ Pa}$ (EN 826).
- Combustible substrate with density $\geq 510 \text{ kg/m}^3$.
- Old roof covering on wooden underlay with density $\geq 480 \text{ kg/m}^3$.
- Lightweight concrete, concrete or foamglas.
- Old roof covering* on mineral wool, wooden underlay, lightweight concrete, concrete or foam glass

And for non-standard substrates:

- "Eurothane Silver" (manufacturer Recticel) PIR with core density 30 kg/m^3 , coated on both sides with a gas diffusion tight layer

Associated documents

FLAGON Monteringshandbok, version CD0080.A-SV-SE.

Certificate no. SC0931-09 | 2017-10-16

RISE Research Institutes of Sweden AB | Certification
Box 857, SE-501 15 Borås, Sverige
Tel: +46 10-516 50 00
certifiering@ri.se | www.ri.se

2017-09-18

Control

The factory production control (FPC) is monitored by an independent inspection body.

Control agreement: 210-14-0266, Inspection body: RISE Research Institutes of Sweden and SGS INTRON Certificatie B.V..

When the building proprietor performs inspection at the building site, markings shall be checked to ensure that the correct products have been supplied and that they are used in accordance with the conditions in this approval and associated documents.

Manufacturing place

Production control includes the following place:
Soprema S.r.l. Chignolo d'Isola (Bergamo), Italy.

Marking

The product is to be marked at the factory. The marking consists of a label on every product supplied and includes:

Holder of certificate
Manufacturing place
P-mark
Certification body
Product type designation
Certificate number
Classification
Dimensions
Weight
Consecutive manufacture no./date of production
Inspection body

Soprema NV, Belgien
Soprema S.r.l. Chignolo d'Isola, Italien
RISE Certification
Flagon EP/PR SC
SC0931-09
TKY-A-0234
Length, width
Weight/roll
nr/date
RISE and SGS INTRON

Basis for judgement/approval

Report P000021B, F904537, 4P03978-01-1 from RISE Research Institutes of Sweden.
Report 0067-L-07-1, -2, -3 and 0165-T-08/1 from BDA.
Report DK490459 from SGS INTRON Certificatie B.V.

Comments

Work with this product shall be carried out by authorized contractors with sufficient knowledge of this roofing system.

The associated documents for the building site shall be supplemented by construction drawings prepared for each building project on the basis of associated documents for design.

The supplementary construction drawings, the approval certificate and the appurtenant documents for building site shall be available on the building site during construction and inspections.

For installation on some specific substrates a separation layer shall be used, according to the associated documents.

When applied on soft substrates where pedestrian traffic and/or local loads can be expected instructions in the associated documents shall be followed.

In case of mechanical fastening, the fastening must be designed and a fastening plan shall be established and documented.

Wind load effects are to be determined according to Boverket mandatory provisions on application of the European construction standards (eurocodes), (EKS), Section C, and Chapter 1.1.4.; issued by the National Board of Housing, Building and Planning. Corrosion aspects and the substrates condition must be taken in consideration.

The building documentation, for the building site, shall be supplemented by construction drawings prepared for each building object on the basis of the project and design documents. All relevant building documentation, including drawings, approval certificate and associated documents shall be available on the building site during construction and inspections.

This approval supersedes the previous approval with the same number dated 2011-03-17, valid through 2016-03-16.

Validity

Valid through 2022-10-15.

Stefan Coric

Susanne Andersson

This is a translation from the Swedish original document. In the event of any dispute as to its content, the Swedish text shall take precedence.