

## PRODUCT DATA SHEET

### DESCRIPTION

FLAGON® BT / ST is a transparent membrane specifically designed to waterproof with the FLAG Vacuum system. It performs the function of layer functionality Vacuum and is positioned above the waterproofing PVC membrane. The special embossed surface allows the execution of tests Vacuum and facilitate the eventual operations of resin injections.

### STORAGE & HANDLING

Rolls must be stored in upright position. Store rolls in a clean dry location and cover as necessary to protect from any environmental impact such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of FLAGON® BT / ST.

### USER APPLICATION

The waterproofing membrane FLAGON® BT / ST is combined with FLAGON® BT or FLAGON® BSL waterproofing membrane and FLAGON® PZ protection membrane to make up the "FLAG Vacuum" system. This system consists of making a two-ply, compartmentalised waterproof wall. This system allows waterproofing tests to be carried out at all the stages of construction, and also throughout the lifespan of the structure. The sheets are welded together by applying hot air or using hot wedge, with manual or automatic welder. The welding can be made either with a track that with double track. The double track allows to perform a pneumatic test with air.

### ADVANTAGES

- Excellent weldability
- Can be used in the Flag Vacuum system
- Transparency, facilitates visual inspection of welds
- High resistance to attack by micro-organisms and perforation by roots
- Embossed surface for the execution of Vacuum tests

### HEALTH, SAFETY & ENVIRONMENT

The product does not contain any substance likely to be detrimental to health or to the environment and complies with generally admitted Health & Safety Requirements. For further information please refer to relevant Material Safety Data Sheet (MSDS).

### TRACEABILITY

Product traceability is ensured through a manufacturing identification present on the packaging.

### QUALITY MANAGEMENT

SOPREMA always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality Management Systems in line with ISO 9001:2015.



## COMPOSITION & PACKAGING

PROPERTY	FLAGON® BT / ST
Thickness	2.0 mm
Roll dimension	2.05 x 20 m
Rolls per pallet	14 Rolls

## TECHNICAL PROPERTIES

PROPERTY	STANDARDS	FLAGON® BT / ST
Reaction to fire	EN 13501-1	E
Watertightness @ 25Pa and 60kPa	EN 1928 (B)	Watertight
Tear resistance	EN 12310/1	> 350 N
Joint strength	EN 12317-2	> 750 N / 50mm
Resistance to impact	EN 12691	≥ 750 mm
Tensile strength	EN 12311-2	> 14 (L / T) N / mm <sup>2</sup>
Elongation at break	EN 12311-2	> 250 %
Resistance to static loading	EN 12730	> 20 kg
Durability after thermal aging	EN 1296	Watertight at 2kPa and 60 kPa
Durability after immersion in chemicals	EN 1847	Watertight at 2kPa and 60 kPa
Tensile strength	EN ISO 527-3	> 14 (L/T) N / mm <sup>2</sup>
Resistance to static puncture	EN 12236	> 2000 N
Water permeability	EN 14150	< 10 <sup>-6</sup> m <sup>3</sup> m <sup>-2</sup> d <sup>-1</sup>
Durability Oxidation, variation in tensile properties	EN 14575	≥ 25 %
Durability Environmental stress cracking	ASTM D 5397	not applicable

*Note: All products manufactured by SOPREMA comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.  
Data is represented by average values, unless noted otherwise.  
All values are nominal.*

## TESTING AND CERTIFICATIONS



## SUSTAINABILITY AND ENVIRONMENT

