



WATERPROOFING

APPLICATIONS

CIVIL WORKS

FLAGON PZ

TECHNICAL DATA SHEET

ANZ-TDS-34-FLAGON PZ

DESCRIPTION

FLAGON PZ is an opaque, non-reinforced, synthetic membrane made by co-extrusion from PVC-P.

It is highly resistant to attack by micro-organisms and perforation by roots.

FIELD OF APPLICATION

FLAGON PZ is an opaque black membrane used as a protective layer in civil engineering and building structures, such as:

- Tunnels and underground structures
- Cut and cover tunnels
- Coverings of buried structures
- Underground car parks
- Sealed encasings of civil engineering structures and buildings

FLAGON PZ membrane can be used as part of a single-layer waterproofing system, compartmentalised or not, or a Flag Vacuum system.

The components used to manufacture this membrane are partly made from recycled materials.

APPLICATION METHOD

Laying system:

- FLAGON PZ is fully loose
- The overlaps are heat welded using a leister automatic welder or a hot air gun by 100 mm minimum.
- Perimeter weld along the waterstop joints

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE.

PACKAGING

SPECIFICATIONS	FLAGON PZ	
	Roll dimensions	20 m x 2.10 m
Roll weight	93 kg	115 kg
Rolls per pallet	23	18
Colour	Black	



SOPREMA.COM.AU • +61 (3) 9221 6230

TDS_FLAGON_PZ_10-2020_RA



WATERPROOFING

APPLICATIONS

CIVIL WORKS

FLAGON PZ

TECHNICAL DATA SHEET

ANZ-TDS-34-FLAGON PZ

PROPERTIES

PROPERTIES	STANDARDS	FLAGON PZ	
		1.6 mm	2 mm
Thickness (mm)	EN 1849-2	1.6 (±5%)	2.0 (±5%)
Weight (kg/m ²)	EN 1849-2	2.20	2.72
Tensile strength (N/mm ²)	EN ISO 527-3	> 10 (L/T)	
Elongation to break (%)	EN ISO 527-3	≥ 100 (L/T)	
Static puncture resistance (N)	EN ISO 12236	> 1700	> 2000
Resistance to oxidation variation in tensile strength (%)	EN 14575	≤ 25	
Cold bending (°C)	EN 495-5	≤ - 20	
Water permeability after 6 hrs at 0.5 Mpa	EN 1928 (B) EN 14150	Watertight < 10 ⁻⁶ m ³ m ⁻² d ⁻¹	
Resistance to roots penetration	CEN TS 14416	No penetration	No penetration

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.



SOPREMA.COM.AU • +61 (3) 9221 6230

TDS_FLAGON_PZ_10-2020_RA

2/2