



ACCESSORY  
PRODUCTS

APPLICATIONS

TUNNELS  
UNDERGROUND STRUCTURES

# FLAGON ANCHOR

TECHNICAL DATA SHEET

ANZ-TDS-90-FLAGON ANCHOR

## DESCRIPTION

**FLAGON-ANCHOR** is an anchoring system for PVC waterproofing membrane for tunneling. It allows the steel bars and other items to be fixed to support without penetrating waterproofing layer of the FLAGON BSL membrane.

**FLAGON-ANCHOR** is a completely sealed anchoring system made of a rigid PVC sleeve specifically designed for M-16 bolt. The flange of the sleeve is manufactured on a 280mm diameter of PVC-P membrane FLAGON BSL. Used with our FLAGON BSL system for tunnel, it maintains the complete integrity of the PVC waterproofing even under high water pressure.

## APPLICATION

- Once the waterproof membrane installation is completed, drill a 32 mm hole in the substructure with a length L=200 mm.
- Check and clean the hole with a brush or compressed air. Make sure there is no water in the hole.
- Inject a solvent free thixotropic epoxy resin (ALSAN ANCHOR EP3) up to the half of the hole (100 mm).
- Insert the **FLAGON-ANCHOR** prior curing of the resin. Make sure the PVC flange is flush with FLAGON BSL membrane.
- Clean the flange of **FLAGON-ANCHOR**, weld onto Flagon BSL membrane with hot air gun.
- Insert a M16x2.0 all-thread rod into the **FLAGON-ANCHOR**. The length and density of FLAGON-ANCHOR must be determined by the engineer.
- A pull out test must be performed to determine the maximum tensile load of the anchor.

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

## PACKAGING

SPECIFICATIONS	FLAGON ANCHOR
Appearance	grey / black & green
Packaging	30 units per box
Box per pallet	30

## PROPERTIES

PROPERTIES	FLAGON ANCHOR
Sleeve material	PVC-P
Sleeve diameter	28 mm
Sleeve length	200 mm
Sleeve flange diameter	120 mm
PVC flange material	FLAGON BSL
PVC flange thickness	2 mm
PVC flange diameter	280 mm



## 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 is responsible for checking the suitability of products for their intended use.



SOPREMA.COM.AU • +61 (3) 9221 6230

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