

DonProof PT200

A flexible PVC waterproofing membrane



Description

DonProof PT200 is a single layer, high quality, unreinforced flexible polyvinyl chloride (PVC) waterproofing membrane used for tanking of underground structures.

Applications

Tanking and waterproofing of:

- ▲ Tunnels.
- ▲ Basements.
- ▲ Retaining walls.
- ▲ Underground structure.

Advantages

- ▲ High resistance to micro-organisms and root penetration.
- ▲ High resistance against harsh components found naturally in the soil and underground water.
- ▲ High strength and elongation.
- ▲ Flexible in cold temperatures.
- ▲ Long life expectancy.
- ▲ Easily welded using hot air even at low temperatures.
- ▲ Can be recycled.

Limitations

DonProof PT200 is not UV resistance; hence it should not be applied in exposed areas.

DonProof PT200 should not be in direct contact with bitumen, oil, solvent and tar as well as plastics other than PVC. On these surfaces it requires a separation layer of non-woven fabric ($> 300 \text{ g/m}^2$).

Method of Use

DonProof PT200 must be installed by experienced and qualified personnel.

Surface Preparation

Surface must be clean, sound and dry. Remove any poorly attached materials or contaminations.

Cover or remove any sharp elements which could damage the PVC membrane. A compatible clean and dry separation layer should be placed between the substrate and the PVC membrane.

Technical Properties:

Colour:	Opaque or Beige (top layer) & Dark grey (bottom layer)
Application temperature:	5 - 35°C
Length:	20.00 m
Width:	2.10 m
Thickness:	2.00 mm
Mass per unit area:	2.65 kg/m ²
Tensile strength:	$> 17 \text{ N/mm}^2$
Elongation:	$> 400\%$
Tearing strength:	$> 110 \text{ N}$
Flexibility at low temperature:	$\leq -30^\circ\text{C}$
Water vapour transmission:	21.000 μ

Application

Use a manual or an automatic hot air welding machine with a pressure roller to join the overlapping membrane sheets together. The width of the joint must be at least 30 mm.

Adjust the temperature and machine speed of the air welding machine according to the ambient conditions.

To ensure all the welding is done correctly, all seams must be tested with screw driver or steel needle after the joint is cooled. Unwelded points must be repaired with a welding tool.

Packaging

DonProof PT200: 2.00 mm x 2.10 m x 20 m

Storage

DonProof PT200 rolls must be stored horizontally and in parallel in their original packaging, away from direct sunlight in cool and dry conditions.

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If these conditions are exceeded, DCP Technical Department should be contacted for advise.

Cautions

DonProof PT200 should be welded in a well-ventilated area.

For further information refer to the Material Safety Data Sheet.

More from Don Construction Products

A wide range of construction chemical products are manufactured by DCP which include:

- ▲ Concrete admixtures.
- ▲ Surface treatments
- ▲ Grouts and anchors.
- ▲ Concrete repair.
- ▲ Flooring systems.
- ▲ Protective coatings.
- ▲ Sealants.
- ▲ Waterproofing.
- ▲ Adhesives.
- ▲ Tile adhesives and grouts.
- ▲ Building products.
- ▲ Structural strengthening.

Note:

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