

ZES DPC Damp Proof Course

High-performance Membrane for Tank



1. Product Introduction

ZES DPC is a heavy duty, flexible water proof sheet membrane, used in tank bottom insulation. It is comprised of SBS modified asphalt, reinforcement base and finish material. The reinforcement base can be polyester cloth, glass fiber cloth, glass-fiber reinforced polyester cloth; the finish material can be fine sand, mineral powder.

2. Properties

Property	Unit	Technical Indicator		
Thickness	mm	2.0	3.0	4.0
Weight	kg/m ²	> 2.3	> 3.8	> 4.5
Water permeability	Under 0.3MPa pressure for 30 minutes	Impermeable	Impermeable	Impermeable
Low Temperature Flexibility		No cracking at -25℃	No cracking at -25℃	No cracking at -25℃
Heat Resistance		No flowing or dripping at 105℃	No flowing or dripping at 105℃	No flowing or dripping at 105℃
Tensile Strength	Peak value in Longitudinal/Horizontal Direction (N/50mm)	≥800	≥800	≥800
Elongation	Peak value in Longitudinal/Horizontal Direction %	≥40%	≥40%	≥40%
Tearing Strength		Longitudinal ≥350 N	Longitudinal ≥350 N	Longitudinal ≥350 N
Oil Permeability	layer	≤2	≤2	≤2
Weight gain in water	%	≤1.0		
Peal Strength	N/mm	≥1.5		
Service Temp.	℃	-180~+65		

Note: Special models are available on request, meet GB 18242-2008 requirements.

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3. Product Application

Apply between cellular glass blocks and tank base, as well as cellular glass layers in tank bottom insulation. It provides perfect water/vapor proofing performance, and uniformly distributes the load.

4. Packing and Storage

- (1) In roll, 100mm x 1000mm (W x L)/roll.
- (2) Keep rolls upright, protected from sun and rain exposure, store in ventilated place under 50°C.

5. Application and Cautions

- (1) Keep rolls upright during shipment, no pile up. If required, covering shall be applied.
- (2) Cut it with knife during application.