cemseal®
LOCAL EXPERTISE, GLOBAL STANDARD

CEMSEAL HDPE

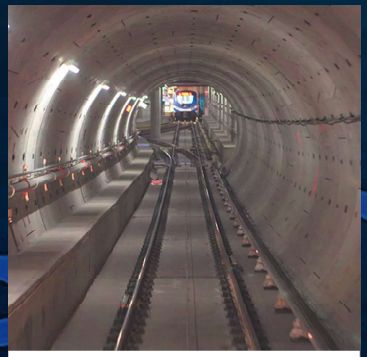
HDPE Pre-Applied Preformed Waterproofing Membrane



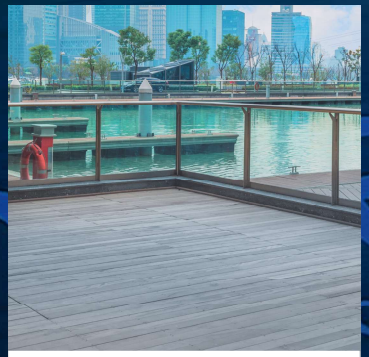
Areas of Application



Below Grade Structures



Tunnels and Subways



On-Grade Structures & Podiums



Zero-Lot-Line Construction

CEMSEAL HDPE

HDPE Pre-Applied Preformed Waterproofing Membrane

Description

CEMSEAL HDPE is a pre-applied composite membrane with HDPE, pressure-sensitive adhesive, and protective coating. It offers strong adhesion, high tensile and elongation properties, puncture resistance, and dimensional stability, ready for immediate reinforcement placement.

Product Features

- **Consistent Thickness**
- **Self-Adhesive Selvedge**
- **Resistant to Soil Settlement**
- **Unaffected by Wet Jobsite Conditions**
- **Quick and Simple Application** (No Primer/Fillets)
- **Suitable for Permanent Formwork, Maximizing Space**

Technical Specification

Type	*HDPE*	*HDPE-SA (Self-Adhesive)*	*HDPE-SA-C*
Roll Size	*1m (W) x 20m (L) ; 1.2m (W) x 30m (L)*	*1m (W) x 20m (L) ; 1.2m (W) x 30m (L)*	*1m (W) x 20m (L) ; 1.2m (W) x 30m (L)*
Appearance	*White*	*White*	*White*
Thickness	*1.2mm*	*1.2mm*	*1.2mm*
Tensile Strength	*≥ 30.0 N/mm² (long.) ≥ 27.6 N/mm² (trans.)*	*≥ 30.0 N/mm² (long.) ≥ 27.6 N/mm² (trans.)*	*≥ 20.0 N/mm² (long.) ≥ 20.0 N/mm² (trans.)*
Elongation at Break	*≥ 1100% (long.) ≥ 1100% (trans.)*	*≥ 1100% (long.) ≥ 1100% (trans.)*	*≥ 1500% (long.) ≥ 1500% (trans.)*
Water Vapour Transmission	*≤ 0.5g/m²/hr*	*≤ 0.5g/m²/hr*	*≤ 0.5g/m²/hr*
Watertightness	*No leakage*	*No leakage*	*No leakage*
Peel or Stripping Strength	*≥ 2400 N/m*	*≥ 2400 N/m*	*≥ 2400 N/m*
Puncture Resistant	*≥ 1000 N*	*≥ 1000 N*	*≥ 1000 N*
Dimensional Stability	*± 0.2%*	*± 0.2%*	*± 0.2%*

Application Method

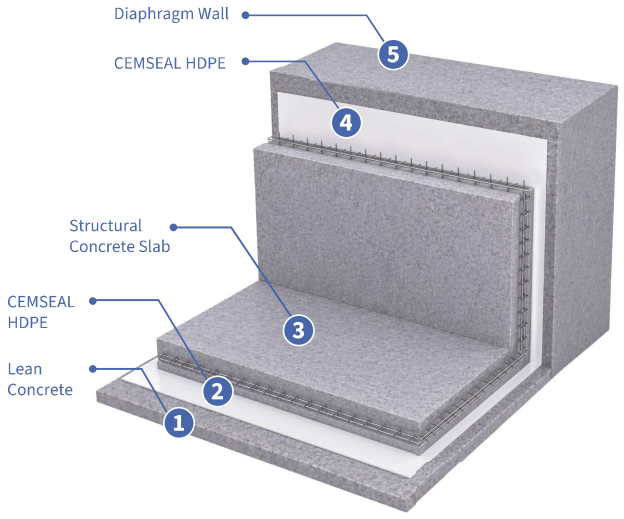
1. Substrate Preparation
Ensure substrate is solid, smooth, clean, and free from sharp edges or voids.

2. Align Membrane
Unroll and position carefully, keeping overlaps at least 80 mm.

3. Lay & Bond
Place with HDPE film against substrate and adhesive facing concrete pour. Peel liner and press firmly.

4. Seal Joints
Use CEMSEAL TAPE-D to seal overlaps and joints securely.

5. Finish
Stagger end laps to avoid build-up, then proceed with reinforcement and concrete pour.



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