



HYDROSEAL
WATER-SOLUBLE PVAL FILM

POLYMER RUBBER GEL WATERPROOFING SYSTEMS

High solvent resistant & gas barrier Polyvinyl Alcohol Resin Film

Hydroseal is a flexible water-soluble and heat sealable film made from polyvinyl alcohol resin (PVAL). Hydroseal is a temporary protection layer for polymer rubber gel systems and provides high solvent resistance and gas barrier performance. When installed over Kingfield’s Hydrogel or Turbo-Seal polymer rubber gel systems, Hydroseal protects the coated surfaces from construction debris and destructive chemical attacks, while dissolving and exposing the underlying polymer rubber gel membrane once concrete is poured against the membrane.

Hydroseal is stable at normal environmental conditions and is water soluble and biodegradable without any toxic residue when activated.

Property	Unit	Result
Film Thickness	µm	40
Solubility ¹ (68°F / 20°C)	Sec	56
Youngs Modulus ²	MPa	120
Tensile Strength at Break ²	MPa	43
Elongation at Break ²	%	280
% Polyvinyl Alcohol	%	≥ 90
% Plasticizers and organic additives	%	10
Polymerization Degree	-	1700 – 1800
Hydrolyzation Degree	%	≥ 86

1)NIPPON GOHSEI Method

2)NIPPON GOHSEI Method - Measurement condition: 68°F / 65% R.H. (20°C / 65% R.H.)

※The above figures are representative values under laboratory conditions and are not guaranteed

PACKAGING

Rolls are wrapped individually with inner LLDPE film and a protective outer woven fiber-reinforced craft paper.

Roll Dimensions: Length – 820ft (250m); Width – 49in (1.25m).

STORAGE INSTRUCTIONS

Storage in environmentally controlled warehousing is recommended with environment set at 68°F (20°C) & 50% R.H. Film should remain in original packaging until time of use.

INSTALLATION

Hydroseal is applied over Kingfield’s polymer rubber gel waterproofing system. Press PVAL film onto applied waterproofing membrane. Butt seams with no overlap.

**Protect water-soluble film and waterproofing system from UV and ambient environmental conditions if concrete cannot be poured within 24 hours.*

***Protect film from moisture and avoid prolonged exposure of film to ambient conditions prior to application. PVAL film absorbs and releases moisture in response to existing relative humidity. As moisture content increases, PVAL film tends to increase in flexibility.*

HEALTH&SAFETY: Wear proper PPE. See SDS.

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