



Thermoseal

Thermofusible Waterproofing Membrane

Physical Properties: Manufactured to conform to the requirement of CGSB-37-GP-56M

-Breaking Strength	MD 914N XD626N	-Dynamic Impact (Puncturing)	Passed
-Ultimate Elongation	MD 42% XD 52%	-Static Puncturing	Passed
-Load Strain	MD 30845 XD 25055	Lap Joint Strength	
-Water Resistance	0.83g	After 5 days @ 23°C	450N
Water Absorption	MD 0.61%	After 5 days @ 50°C (H ₂ O)	490N
Dimensional Change	XD 0.17%	After 5 days @ 50°C (H ₂ O) & 5 cycles of freeze thaw.	485N
-Low Temperature Flexibility @ -30°C (-22°F)	No sign of cracking Pass water tightness	-Granule Embedment	0.13g
-Water Vapour Transmission	0.02g/m ² .24 hr.	-Accelerated Weathering	Pass
		1080 2 hr. Cycles	
		-Crack bridging	>10 cycles at -20°C

Packaging

-Thickness	4.5 mm (180 mils)	Top Surface	Ceramic Granules
-Roll Length	8 m (26.25')	Bottom Surface	Poly
-Roll Width	1 m (38 3/8")		
-Gross Coverage	8 m ² (88.11 ft ²)		
-Net Coverage	7.25 m ² (78 ft ²)		

Uses

Thermoseal is used as a single ply waterproofing membrane for bridge decks, foundations, tunnels, wet rooms and plaza decks.

Features

- Asphaltic Pavement can be applied directly over **Thermoseal** without additional protection course
- Polyester reinforced for high strength and flexibility at all temperatures
- Excellent tear resistance
- Torch grade membrane
- Waterproofing membrane

Limitations

Protect work from traffic and damage from other trades. Non-resistant to oils and solvents. Refer to manufacturer for specific chemical resistance.

Preparation

Acceptable substrates are precast concrete, cast-in-place concrete and concrete block.

All surfaces must be clean of oil, dust, smooth and without large voids, spalled areas or sharp protrusions. Concrete must be cured a minimum of seven days and must be dry. Frozen concrete is not acceptable. Where curing compounds are used they must be clear, resin based, without oil, wax or pigments.

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Application

Priming: Prime all surfaces to receive waterproofing membrane and membrane flashing. Apply **930-18 Primer** at the rate of 4 to 6 m²/l (160 to 250ft²/gal U.S.).

Reinforcement: At all joints between precast concrete sections, install 300 mm wide strip of *modifiedPLUS*[®] **NP180p/p** reinforcement strip, torched in place. Overlap on ends 150 mm.

Waterproofing Membrane: Over all surfaces, install **Thermoseal**, in shingle fashion starting at low areas and drains. Overlap on sides 75 mm and ends 150 mm. Apply heat and set granules on end laps with trowel before placing overlap membrane. Ensure application is free of air pockets, wrinkles, fishmouths, or tears.

Protrusions: Seal waterproofing membrane at all protrusions by installing separate **Thermoseal** flashing sheet. Melt area meeting protrusions and trowel to form tight seal.

Drains: Extend waterproofing membrane onto bowl and tighten clamping ring.

Wall Flashings: Extend **Thermoseal** up vertical surface a minimum of 200 mm and terminate under termination bar, counter flashing or proper reglet. Extend onto waterproofing horizontal plane a minimum of 150 mm.

Asphalt Paving: Asphaltic concrete pavement can be placed directly over the membrane. Ensure that breakdown and finish rolling is carried out properly. Henry is not responsible for structural strength and durability of asphalt pavement. Asphalt pavement design mix to be determined by others. A minimum of 50mm of asphaltic pavement is recommended.

Concrete: Concrete can be placed directly over the membrane. Ensure precaution is taken to avoid puncture of the membrane during placement.

Storage

Store rolls on end, on original pallet or elevated platform. Protect from weather or store in an enclosed area not subject to heat over 49°C.

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