



Advanced Composite Technology



AC HydroSeal 3000®

Specifications Data

PRODUCT NAME

AC HydroSeal 3000
Waterproofing Composite

MANUFACTURER

Northern Elastomeric Inc.
50 Pine Road
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DESCRIPTION

AC HydroSeal 3000 is a proprietary composite, uniquely designed to provide high strength, low temperature adhesion and high temperature stability in a superior waterproofing membrane. A tough 4 mil cross laminated polyethylene film forms a resilient barrier against physical damage and water migration. The proprietary, modified asphalt provides superior waterproofing integrity. This product offers a silicone coated, high temperature release paper for easy installation.

AC HydroSeal 3000 Waterproofing Composite is 60 mils (1.5mm) thick and is supplied in rolls 3' wide by 66.6' long (0.9m x 20.3m). AC HydroSeal 3000 is self adhesive and cold-applied. No special adhesives, heat or equipment are necessary to install AC HydroSeal 3000.

USES

AC HydroSeal 3000 is ideal for waterproofing concrete, masonry or wood structures. AC HydroSeal 3000 can be applied to foundation walls, tunnels, earth shelters, structural concrete decks, plaza decks, parking decks, approved insulating foams and split slab construction above or below grade.

Consult Specifications, Application Guide and Details for more information.

LIMITATIONS

- Porous surfaces adversely affect adhesion
- Keep primers from freezing

APPLICATION SUMMARY

- AC HydroSeal 3000 may be applied when ambient and substrate temperatures are 40°F (4°C) or above.
- Surfaces to be waterproofed must be clean, smooth, dry, dust and frost-free. New structural concrete must be cured a minimum of 7 days. Lightweight structural concrete must be dried at least 14 days. Use AC Primer or AC Water Based Primer to ensure good initial adhesion. Allow AC Primers to dry completely before installing AC HydroSeal 3000.
- For horizontal surfaces: AC HydroSeal 3000 is applied to the primed substrate starting at the low point. Successive sheets of AC HydroSeal 3000 should overlap preceding sheets by 2.5" (60mm). Remove silicone coated release tapes for uniform lap adhesion. AC HydroSeal 3000 should be firmly rolled as soon as possible to insure uniform contact with the substrate.
- For vertical surfaces: Apply a 9" wide strip of AC HydroSeal 3000 centered horizontally over the joint of the foundation wall and the footing. Apply full sheets of AC HydroSeal 3000 starting at the bottom of the footing up to what will be 6" (.15m) below grade. On walls over 8 feet (2.4m) high, it may be necessary to overlap adjoining sections. In such instances the upper section should overlap the lower section, shingle fashion, by at least 2.5" (63mm). On successive vertical courses, remove silicone coated release tapes for uniform lap adhesion. Use hand rollers or heavy hand pressure to insure good initial contact. If AC HydroSeal 3000 is terminated on a vertical surface, use a reglet, termination bar or counterflashing.
- For complete installation instructions, refer to NEI's waterproofing specification section.

TECHNICAL DATA

Property	Test Method	Nominal Value
Tensile Strength—composite	ASTM D 412	325 lb/in ²
Tensile Strength—film	ASTM D 412	5000 psi
Elongation to Break (rubberized asphalt)	ASTM D 412	300%
Pliability [180° bend, 1" mandrel, -25°F (-32°C)]	ASTM D 146	Pass
Cycle Over Crack -25°F (-32°C)	ASTM C 836	Pass
Peel Adhesion, Dry (concrete)	ASTM D 903	10 lb/in
Peel Adhesion, Wet (concrete)	ASTM D 903	9 lb/in
Puncture Resistance	ASTM E 154	70 lb
Hydrostatic Resistance	ASTM D751	230 ft.
Permeance	ASTM E 96 B	0.01 perms (max)

WARRANTY

AC Hydroseal 3000 Waterproofing Composite is warranted to be free from defects in manufacture for ten (10) years. Material will be provided at no charge to replace any defective product. Refer to sample warranty for more information.

MAINTENANCE

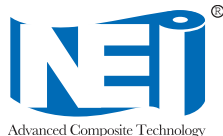
None required if installed according to the manufacturers printed instructions.

TECHNICAL SERVICES

Technical assistance and information is available from NEI representatives, or contact Northern Elastomeric Inc at 1-800-998-4634.

DATA

Technical information, catalogs, and samples are available from Northern Elastomeric Inc. dealers and/or sales representatives.



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