



HydroGard™

60 mil Self-Adhering Waterproofing Composite

Key Properties

- **Super tough polyethylene surface**
- **No messy tar or adhesives**
- **Aggressive bond at low temperatures**
- **Excellent puncture resistance**

Description

York HydroGard is a proprietary composite, uniquely designed to provide high strength, low temperature adhesion and high temperature stability in a superior waterproofing membrane. A tough cross laminated polyethylene film forms a resilient barrier against physical damage and water migration. The proprietary, modified asphalt provides the waterproofing effectiveness of traditional modified bitumen products while offering low temperature adhesion and high temperature stability. **York HydroGard** Waterproofing Composite is 60 mils (1.5mm) thick and is supplied in rolls 3' wide by 66.7' long (0.9m x 20m). **York HydroGard** is self-adhering and cold-applied. No special adhesives, heat or equipment are necessary to install **York HydroGard**.

Uses

York HydroGard is ideal for waterproofing concrete, masonry or wood structures. **York HydroGard** can be applied to foam foundation walls, tunnels, earth shelters, structural concrete decks, plaza decks, parking decks and split slab construction above or below grade.

Application

- **York HydroGard** 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.
- For horizontal surfaces: **York HydroGard** is applied to the primed substrate starting at the low point. Successive sheets of **York HydroGard** should overlap preceding sheets by 2.5" (60mm). All **York HydroGard** should be firmly rolled as soon as possible to insure uniform contact with the substrate.
- For vertical surfaces: **York HydroGard** is applied in manageable sections. 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" (60mm). Use hand rollers or heavy hand pressure to insure good initial contact.
- Consult Specification, Application Guide and Details for more information.

TECHNICAL DATA YORK HYDROGARD		
PROPERTY	MINIMUM VALUE	TEST METHOD
Tensile Strength, Composite	30 lbs	ASTM D 412
Tensile Strength, Film	5000 psi	ASTM D 882
Elongation to Break (rubberized asphalt)	300%	ASTM D 412
Pliability, 180°, 1/4" mandrel -25°F (-32°C)	Pass	ASTM D 146
Cycle over Crack -25°F (-32°C)	Pass	ASTM C 836
Peel Adhesion, Dry (concrete)	10 lb/in	ASTM D 903
Peel Adhesion, Wet (concrete)	9 lb/in	ASTM D 903
Puncture Resistance	70 lbs	ASTM E 154
Hydrostatic Resistance	150 ft.	ASTM D 751
Permeance	0.02 perms (max)	ASTM E 96B

Safety, Storage and Handling

Pallets of membrane shall not be double stacked on the job site. Provide cover on top and all sides, allowing for adequate ventilation. Avoid prolonged and repeated skin contact. Consult the Material Safety Data Sheet for the best available information on the safe handling, storage, personal protection, health and environmental considerations.