

KINGFIELD CONSTRUCTION PRODUCTS



GFG20X™

Geotextile Backed Cross-Laminated HDPE

Kingfield Gel-Flex Composite Waterproofing Systems

31 mil Fabric Backed HDPE Puncture Resistant Membrane
Radon, Methane, Sulfate, and Soil Contaminant Barrier

DESCRIPTION

GFG20X Sheet is a 16-mil high density, cross-laminated polyethylene with a 15-mil geotextile fabric reinforcement layer that effectively resists punctures and tears. (Total = 31 mil HDPE/fabric Sheet)

GFG20X provides a mechanical bond with concrete when placed with geo-textile fabric facing concrete pour.

GFG20X effectively controls radon, methane, sulfates and many other soil contaminants.

GFG20X is available in 6 ft x 150 ft rolls (900 ft²/94 lbs).

Custom run roll sizes are available.

ADVANTAGES

<i>Highly durable, HDPE reinforced cross-laminate membrane.</i>	Puncture resistant, chemically resistant, Class A vapor barrier for enhanced protection. Superior performance in adverse environmental soil conditions.
<i>Nonwoven fabric backing</i>	Increases tensile strength without significantly increasing weight. 8 lbs. / in. peel adhesion to concrete.
<i>Seams are heat weld capable</i>	Robust protection from the jobsite environment effectively protecting the waterproofing system prior to backfill.
<i>Class A Vapor barrier</i>	Effective barrier against water vapor intrusion and harmful gas intrusion – radon, methane, etc.
<i>UV stable and highly puncture resistant membrane</i>	Enhanced seam protection with heat welded seams. Puncture resistant to 11.48 pound dart test.

GFG20X PROPERTIES

GFG20X PROPERTIES	RESULTS	TESTING METHOD
Peel Adhesion to Concrete	8 lbs /in.	ASTM D 903
Tensile Strength	136 lbf /in.	ASTM D 882
Elongation	MD 789.1 / TD 857.1	ASTM D 882
Vapor Barrier Classification	Class A	ASTM D 1745
Life Expectancy	Indefinite	ASTM E 154
Chemical Resistance	Unaffected	ASTM E 154
Radon Transmission Rate	0.062	ASTM D 1434
Water Vapor Permeation	0.007 Grain/Hr. Ft. ² in. Hg.	ASTM E 96
Dart Impact Strength	11.48 lbs.	ASTM D 1709
Puncture Resistance – Propagation Tear	MD >509 lbs. / TD > 509 lbs.	ASTM D 2582

APPLICATIONS

- **GFG20X** is used to provide a vapor barrier with puncture protection for the **Hydrogel Gel-Flex** and **Turbo-Seal Gel-Flex** waterproofing systems.
- **GFG20X** is applied with **Hydrogel** or **Turbo-Seal** in horizontal and vertical applications as a component of the **GEL-FLEX SYSTEM**.

DIRECT APPLICATION INSTRUCTIONS — HYDROGEL AND TURBO-SEAL COMPOSITE WATERPROOFING SYSTEMS

- Press **GFG20X** into applied **Hydrogel** or **Turbo-Seal**, overlapping seams a minimum of 3 inches and seal with **Durotape** or heat weld seams.

PRE-APPLIED INSTRUCTIONS — HYDROGEL AND TURBO-SEAL COMPOSITE WATERPROOFING SYSTEMS

- Mechanically fasten **GFG20X** to support of excavation.
- Ensure mechanical fasteners and substrate can adequately support the applied **GEL-FLEX SYSTEM**.
- Overlap seams a minimum of 3 inches and seal with **Durotape** or heat weld seams.

STORAGE

- Keep in Dry Storage out of direct heat and sunlight.
- Store between 50-80 degrees Fahrenheit.

HEALTH AND SAFETY

Consult the **MSDS**

KINGFIELD CONSTRUCTION PRODUCTS

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TECHNICAL SUPPORT

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