



# **GTM-20** Protection Sheet

HDPE 20 mil with Geo-Textile Backing Protection Sheet/Vapor Retarder ASTM-E 1745 Class A Methane Permeance ASTM D1434

#### Description

GTM-20 is a high performance waterproofing protection sheet and slab vapor retarder developed for GEL-TECH SYSTEMS. It is also used to control radon, methane, sulphates and other soil contaminants. GTM-20 Protection Sheet is a high density, cross-laminated polyethylene with a geotextile fabric reinforcement layer that resists punctures and tears. The sheet is UV stabilized to withstand prolonged exposure to sunlight and also meets ASTM standard D-3083 Soil Burial test performance requirements. GTM-20 mil reinforced protection sheet is not prone to environmental stress cracking (ESC) so it can endure repeated thermal expansion and contraction cycles.

GTM-20 Protection Sheet is used in GEL-TECH SYSTEMS GTS-350 positive side and GTS-500 blind side waterproofing systems for above and below grade construction. GTM-20 is ideal for use in harsh environments along with GTS Poly-Rubber Gel to create an effective, permanent waterproofing system.

#### Uses

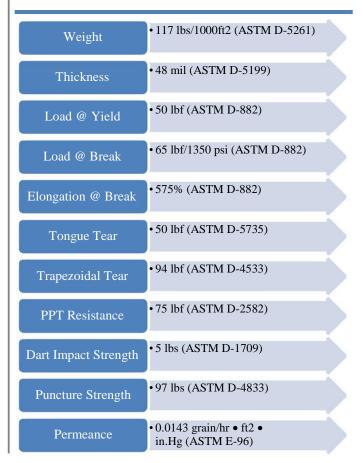
GTM-20 Protection Sheet is applied in both above grade and below grade applications. GTM-20 is suitable for new construction and repair. Applications include the

following types of waterproofing: horizontal positive side waterproofing (GTS-350); vertical wall positive side waterproofing (GTS-350); and blind side waterproofing (GTS-500). Areas of application include: plaza decks; elevator pits; poured wall foundations; block wall foundations; brick wall foundations; granite/limestone foundations; split slab construction; diaphragm wall (blind side); and green roofs.

#### Application

GTM-20 Protection Sheet is applied over GTS Poly-Rubber Gel in horizontal and vertical applications by embedding the fleece side into the applied GTS, overlapping seams a minimum of 6 inches, and seal with GTA-Seam Tape or heat weld. All penetrations must be sealed with a dual layer of GTS and GTM-20 and sealed with GTA-Seam Tape or heat weld.

#### PHYSICAL PROPERTIES – GTM-20 Protection Sheet



# **Application Continued**

GTM-20 Protection Sheet can also be used as a Class A vapor barrier. Install fleece side up over tamped earth, sand or aggregate base by unrolling and completely covering area to receive building slab or specified area. Overlap all seams a minimum of 6 inches and seal with GTA-Seam Tape or heat weld. All penetrations must be sealed with GTM-20 Protection Sheet and GTA-Seam Tape per manufacturer's recommendations.

#### **Health and Safety**

Follow all recommended safety guidelines when working at jobsite. Wear suitable gloves, masks, protective clothing and safety glasses. See MSDS or SDS.





# Packaging

GTM-20 Protection Sheet is manufactured in 12ft. x 100ft. rolls (1200 ft<sup>2</sup>), and weighs approximately 150 lbs. per roll.

#### Storage & Shelf Life

Store in clean, dry conditions at  $50^{\circ}$  to  $80^{\circ}$  F. Shelf life is indefinite, when stored according to recommended storage guidelines.

# Transportation

GTM-20 Protection Sheet is classified as a DOT non-hazardous material.

### Limitations

All GEL-TECH SYSTEM components must be installed in immediate succession at time of application. After application, the installed GEL-TECH SYSTEMS must be protected from environmental exposure and preceding trades.

For Technical Assistance Contact:



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