

## G-FLEX MEMBRANE

G-Flex is an anti-fracture waterproof decoupling sheet that protects and improves durability of tile installations outdoors and indoors when installed on critical supports; fissured, with movement or with moisture vapor stress.

**STRUCTURE:** G-Flex is a 1/8" (3 mm) thick multilayer system with nodular geometric structure. It is made up of a 0.5 mm thick high-density polyethylene (HDPE) waterproof sheet with 3/32" (2.5 mm) square cavities and a non-woven veil of thermo-bonded polypropylene fibers at the base of the cavities.

Conforms to definition for uncoupling membranes in the Tile Council of North America Handbook for Ceramic Tile Installation

### G-Flex Uncoupling Membrane Physical Properties.

PHYSICAL PROPERTIES	VALUE
Fleece raw material	PP
Core raw Material	HDPE
Color	Red
Material thickness	0.02"
Membrane thickness	1/8"
Weight	0.128 lb/ft <sup>2</sup>
Air gap volume	0.0052 ft <sup>3</sup> /ft <sup>2</sup>
Stud cavities volume	0.0039 ft <sup>3</sup> /ft <sup>2</sup>
Shear strength (Pull-out test) Thinset tile adhesive - 28 days	> 60 psi
Tear strength MD/CMD	> 40/40 lb/inch
Elongation	> 25%
Performance temperature range	-22°F / +176°F

### G-Flex Uncoupling Membrane Service rating

The method used to establish the overall performance of a tile assembly under loading is the ASTM C627 "Standard Test Method for Evaluating Ceramic Floor Tile Installation Systems Using the Robinson Type Floor Tester."

FLOOR SYSTEM	RATING
Wood substrate 16" o.c.	EXTRA HEAVY
Wood substrate 19.2" o.c.	EXTRA HEAVY
Concrete slab	EXTRA HEAVY

### G-Flex Uncoupling Membrane roll sizes

G-Flex 14 Roll 3' 3" x 45' 9" = 150 ft<sup>2</sup>

G-Flex 30 Roll 3' 3" x 98' 5" = 323 ft<sup>2</sup>