NOVABLOCK 20

CRAWLSPACE
VAPOR BARRIER

IPG®

TECHNICAL DATA SHEET

DESCRIPTION

NovaBlock™ 20 is a virgin resin, woven reinforced membrane designed to guard against moisture and gas intrusion. The high-strength reinforced scrim offers superior puncture and tear resistance against heavy construction traffic. The extreme durability and low permeance of NovaBlock 20 make it a great fit for the most demanding vapor intrusion projects.

RECOMMENDED APPLICATONS

Crawlspace encapsulations, radon mitigations, underslab moisture control, vapor intrusion projects

PRODUCT SPECIFICATIONS

Weave	Woven clear HDPE scrim
Coating	LDPE, 2.5 mil average each side (59 g/m2/side)
Color	White, black or other coatings available
Weight	10 oz/yd^2 (339 g/m^2) ± 5%

PRODUCT DIMENSIONS

Cores	3 inch I.D. available
Folded	V or C folded options available
Roll Sizes	4′ x 200′; 12′ x 100′ standard roll size offerings

WARRANTY

Limited Lifetime Warranty in development.

PERFORMANCE PROPERTIES

The following data are based on limited values obtained according to ASTM standard tests. These values are typical data and are not intended as limiting specifications.

Thickness ASTM D1777	20 mil (0.51 mm), ± 10%
Weight (per MSF)	69 lbs
Strip Tensile New Material (N/5cm) ASTM D5035	MD 190 lb/in (1663) / TD 260 lb/in (2276)
Tongue Tear Large Scale (N) ASTM D5884	MD 85 lb (378) / TD 95 lb (422)
Grab Tensile (N) ASTM D7004	MD 300 lb (1334) / TD 400 lb (1779)
Trapezoidal Tear (N) ASTM D4533	MD 80 lb (356) / TD 150 lb (667)
Mullen Burst (kPa) ASTM D751	500 psi (3447 kPa)
Usage Temperature	70°C (158°F) MAX -60°C (-76°F) MIN
Water Vapor Permeance **Water Vapor Transmission Rate** ASTM E96	0.34 perms 0.014 grains/ft²hr
Accelerated UV[1]	>80 % strength retention after 2000 hrs
Weathering[1]	Exposure @ 0.77 W/m²/nm, or 1200 hrs exposure @ 1.35 W/m²/nm



[1] Q.U.V [A-340 Lamps]; 8 hrs UV @ 60°C; 4hrs condensation @ 50°C

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EFFECTIVE: 10/26

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