MASONS UNI FLEXIBLE AIR BARRIER (UNI)

TECH DATA SHEET

MASONS
Designed Smart, Built Tough.

V1.0 September 2021

DESCRIPTION

UNI is a three-layer flexible wall underlay. It is manufactured by thermally bonding outer spunbonded layers to an inner layer of microporous polypropylene film.

Property	Method	Units	Value
Informative			
Mass/unit area	EN 1849-2:2010	g/m^2	180
Thickness	EN 1849-2:2010	mm	0.7
Width	EN 1849-2:2003	m	2.74 0.6 m
Length	EN 1849-2:2003	m	18.2
Straightness	EN 1849-2:2003	mm/10 m	30
Visible defects	EN 1850-2:2004		No defects
Normative			
Reaction to fire	EN ISO 11925-2 AC-2011	class	E
Resistance to water penetration	EN 1928:2002	class	W1
Water vapour transmission (sd)	EN ISO 12572:2004 EN 1931:2002	m	0.2
Water absorbance	NZS 2295	AS/NZS 4201:part 6	
Air resistance (Air permeability)	EN 12114	m^3/(m^2 x h x 50 Pa)	≤ 0.01
Dimensional stability	EN 1107-2:2002	%	≤2
Flexibility at low temps	EN 495-5:2014	°	-40
Resistance to tearing MD	EN 12310-1:2010	N	210N

Property	Method	Units	Value
Resistance to tearing CD	EN 12310-1:2010	N	290N
Tensile strength MD	EN 12311-2:2013	N/50 mm	330
Tensile strength CD	EN 12311-2:2013	N/50 mm	230
Tensile strength – elongation MD	EN 12311-2:2013	%	40
Tensile strength – elongation CD	EN 12311-2:2013	%	80
Performance after artificial aging			
Method of aging	EN 1296 & EN 1297		
Water resistance, Resistance to water penetration	EN 1928:2002	class	W1
Tensile strength MD/ CD	EN 12311-2:2013	n/50 mm	280/195
Tensile strength elongation	EN 12311-2:2013	%	34/68