MONNELI ARMOFAB

Non-Woven Geotextile Reinforcing / Protection Fabrics

Product Description

A grey colour powder adhesive composed of cement, filler, synthetic resins and special additives formulated in a way to obtain an excellent characteristics of workability and adhesion. It is water resistant and does not contain fiber, asbestos or any other harmful components.

Uses

ARMOFAB is suitable for application on reinforced / non-reinforced waterproofing membranes and widely used in the infrastructure works, backfilling and road and bridges projects.

ARMOFAB could be positioned both horizontally and vertically with either mechanical or spot gluing using suitable glue from Colmef's product range (NEOFIL S10, NEOFIL M10 etc)

Advantages

- Easy to install
- High puncture resistance
- Excellent shear adhesion and traction strength
- Compatible for most types of waterproofing membranes
- For backfilling & infrastructure purposes

Instructions for Use

Surface Preparation

All surfaces where the ARMOFAB is to be applied must be well compacted, smooth, and free from projections. When otherwise necessary, it is highly advised to use compressed air or a wire brush in order to remove further dirt, or other inconsistencies in case it is applied on concrete surfaces.

Application

For waterproofing protection of substructures, roofing, watertanks bridges, roads & infrastructure works. Immediately lay ARMOFAB along the surface. Make sure to apply the fabric completely by gently rolling. When joining the ARMOFAB geotextile together, be sure to keep an overlap of at least 5 to 10 cm.

ARMOFAB is available in different grades. Refer to the technical properties tables provided below.

When ARMOFAB is to be used in conjunction with other COLMEF products, make sure to follow the recommended method of application for each product by referring always to the Technical Data Sheet.

Physical Properties	Unit	Testing Standard	140P	200P	300P	400P	500P	800P	1000P
Basic weight	g/m²	EN ISO 9864	140± 10	200± 10	300± 10	400± 10	500 ± 10	800± 10	1000± 10
Thickness at 2kPa/m²	mm	EN ISO 9863-1/ ASTM D5199	>0.80	>1.0	>2.2	>3.0	>3.0	>5.0	>6.0
UV Resistance at 500 hr	%	ASTM D4355	> 72	> 72	> 72	> 72	> 72	> 72	> 72
Tensile strength	kN/m	EN ISO 10319/ ASTM D4595	≥9	≥14	≥21	≥29	≥38	≥58	≥58
Elongation	N	EEN ISO 1319/ ASTM D4595	≥60	≥60	≥60	≥60	≥60	≥70	≥70
Tear strength grab	N	ASTM D4632	>0.50	>0.90	>1.33	>1.61	>2.11	>3.22	>3.56
Tear strength	N	ASTM D4533	180	380	480	580	632	1032	1032
Puncture resistance (CBR-test)	N	EN ISO 12236/ ASTM D6241	1500	2450	3515	4600	5566	9365	11365
Burst strength	kPa	ASTM D3786	-----	2913	-----	-----	-----	-----	-----
Perforation resistance (Cone drop)	mm	EN ISO 13433	26	20	12	11	7	1	0
Opening size Q90	µm	EN ISO 12956	100	100	70	80	70	80	70
Permittivity	sec -1	ASTM D4491	4.2	3.0	2.0	1.6	1.6	1.0	0.8
Waterflow 50mm WH	l/m²/s	EN ISO 11058	110	85	65	50	45	25	20
Durability	Armofab can be left for a period of 6-8 months exposed from installation time.								
Roll dimension	6m x 100m								

---- Values not yet tested