



مصنع أنقى
Anqa Factory



ANQA 180 G

Polyester reinforced bituminous membrane

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DESCRIPTION:

ANQA 180 G membrane appears to be a high-performance waterproofing solution, crafted with advanced materials like higher-grade bitumen and APP copolymers. Its reinforcement with non-woven polyester (180 gsm) enhances its durability and flexibility, making it suitable for diverse waterproofing applications in the construction industry. Its ability to form a water-resistant layer ensures it can handle normal structural movements effectively

ADVANTAGES:

- **Durable:** Handles structural movements, resists tears, punctures, and impacts.
- **Heat-resistant:** Performs well at high temperatures.
- **Chemical-resistant:** Withstands salts and water-borne chemicals.
- **Easy application:** Reliable bonding and seamless installation.

USES:

Recommended to avoid risks of damp and water leakage in:

- Concrete roof and floor slabs
- Basements
- Foundations
- Swimming Pools
- Fountains
- Drain gutters
- Bathrooms
- Reservoirs
- Bridges
- Tunnels
- Sub-grade structures
- Car Park Deck Slabs

SURFACE CLEANING

Ensure surfaces are smooth, clean, and dry, free from nails, grease, dust, debris, oil, and protrusions.

TECHNICAL SPECIFICATION:

PROPERTIES	TYPICAL RESULTS	TEST METHOD
Appearance	No defects, holes, tears, cracks or blisters	ASTM D-5147
Roll Size, m	10 x 2	ASTM D-5147
Thickness, mm	4.6 ± 0.2	UEatc
Polyester Carrier (g/m ²)	180	UEatC
Minimum Mass per Unit Area (gm/m ²)	4200 - 4000	UEatc
Tensile Strength (N/5cm, L/T) at 23 ± 2°C:	600/480	ASTM D-5147 UEatc
Lap Joint Strength (N/5cm, L/T)	500/300	UEatc
Elongation (%) at 23 ± 2°C (Longitudinal)	35	ASTM D-5147
Elongation (%) at 23 ± 2°C (Transversal)	30	ASTM D-5147
Tear Strength (N) at 23 ± 2°C	300/350	ASTM D 1004
Low Temperature Flexibility	0 - 2	ASTM D-5147
Dimensional Stability (% Change)	1	ASTM D-5147
Compound Stability (°C, Heat Resistance, 2 Hrs)	90	ASTM D-6222 DIN EN52123
Water Absorption (% Maximum)	>0.7	ASTM D-5147
Moisture Content (% Maximum)	0.80	ASTM D-5147

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PRIMING

Apply one coat of primer, preferably Anqa Prime D41. Allow the primer coat to dry until it becomes tack-free. If surfaces are left uncoated for more than 24 hours prior to membrane application, ensure they are re-primed before proceeding.

APPLICATION:

The membrane is unrolled and placed in the correct position. Each roll must overlap the sides by at least 10 cm, while slowly unrolling the membrane the surface is lightly heated by means of a propane gas torch causing surface melting and subsequent adhesion to the surface. End joints require a minimum overlap of 15 cm.

APPLICATION TOOLS AND EQUIPMENT:

- Propane gas torch with cylinder
- Knife/cutter
- Rounded-tip trowel
- Measuring tape
- Fire extinguisher

STORAGE

Store the rolls under a roof and ensure they are covered on pallets to protect them from direct sunlight and extreme temperatures. Always stack the rolls in a vertical position and avoid placing pallets on top of each other to maintain the integrity of the product.