Technical Data Sheet

BITULINE® QUICK QG1,5 (-20°C Cold bending)

BITULINE®

QUICK QG1,5●
QUICK QP2●
QUICK QP3●

Product definition

BITULINE® QUICK is a **self-adhesive** bituminous felt reinforced with glass mat and modified by SBS.
Flexibility at low temperature:-20°C.
Upper surface is protected by PE film, bottom surface is protected by removable siliconized PP film.
Compound: Elastomeric bitumen; petroleum bitumen modified with SBS and specific adhesive resins.

Where to use and Properties

- High flexibility capabilities at low temperature (-20 °C)
- High watertightness.
- BITULINE© QUICK is seld-adhesive membrane designed for new roofing and reroofing applications, can be bonded by removing the release film and sticking over damp or concrete below-grade vertical and horizontal foundation structures and below concrete slabs, on floor surfaces or sloped or flat roofs prepared with BITULINE© primer prior to the application of the waterproofing membrane. Available in 1,5 mm and 2 mm thickness, the BITULINE© QUICK glass mat reinforced membranes are produced in rolls of 20 m x 1 m.
- BITULINE© QUICK base sheets are used for BURs; flat roof terraces under ballasts gravel, paving slabs or underlayment for shingle roofs, waterproofing of internal or external wet areas of residential buildings.
- BITULINE© QUICK membranes have optimal mechanical and physical properties and their quality is ultimate in performance, versatility, and ease-of-use.

Technical data

Length	20 m (TS EN 1848-1; min. -0,03)
Width	1 m (TS EN 1848-1; min. -0,02)
Visible defects	PASS (TS EN 1850-1)
Straightness	PASS (TS EN 1848-1)
Thickness	1,5 mm (TS EN 1849/ASTM D5147)-1; ± 0,2 mm)
Joint stregth	NPD (TS EN 12317-1; ±%30)
Tensile strength (longitudinal)	300 N/50mm (TS EN 12311-1; min.%0, max.+%50)
Elongation at break (longitudinal)	%2 (TS EN 12311-1; min.0, max.+20)
Tensile strength (transversal)	200 N/50mm (TS EN 12311-1; min.%0, max.+%50)
Elongation at break (transversal)	%35 (TS EN 12311-1; min.0, max.+20)
Resistance to tearing	80 N (TS EN 12310-1; ± %30)
Resistance to impact	250 mm (TS EN 12691 method A; min.)
Resistance to static loading	NPD(TS EN 12730 method B; min.)
Flexibility at low temperature	-20°C (TS EN 1109/ASTM D5147; max.)
Watertightness	PASS (EN 1928 method B 60 kPa)
Flow resistance at elevated temperature	≥90°C (TS EN 1110/ASTM D5147; min.)
Adhesion of granules	NPD (TS EN 1296 / TS EN 1109; max.)
Reaction to fire	E (TS EN 13501-1)
Water vapor transmission	20.000 (TS EN 1931; min.)
Artificial ageing behaviour	NPD (TS EN 1847/TS EN 1928 method B 60 kPa)
Artificial ageing behaviour	PASS (TS EN 1296/TS EN 1928 method B 60 kPa
Softening point	≥ 105°C EN1427/ASTM D36
Adhesion to primed concrete@ 23°C	≥1,8 N/mm ASTM D1000
Adhesion to plywood @ 23°C	≥75 N/ft ASTM D1970

Tools:

Metallic roll, knife and gloves.

Packaging:

Rolls/pallet : 25 rolls
Qty/pallet : 500 m²
Weigth/pallet : 775 kg

Storage

Store Bituline Quick self-adhesive membranes indoors, away from heat and direct sunlight.
Keep rolls in a vertical position and do not stack them.

Onduline Avrasya A.Ş. is not responsible for product, information, service and printing errors.

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General Application Steps

1. Clean and prime the substrate to properly receive a new waterproofing membrane. Make sure the primer is completely dry before application.
2. Verify that all roof openings, curbs, pipes, sleeves, ducts, vents, valley, ridges, box gutters, dormers, hips, eaves, rainwater outlets, chimney, expansion joints or other penetrations through the roof are solidly set, and that all flashings are properly sealed.
3. Laid Bituline Quick self-adhesive membrane over the substrate, peel the PP film off the bottom and stick by pressing with metallic roller.
4. Side laps must be 10 cm and end lap joints must be at least 15 cm.
5. Prior to installing succeeding courses ensure there are no blisters or open laps.
6. To prevent overly thick membranes, stagger the end laps a minimum of 30 cm relative to those of the base sheet.

General Warnings

1. Rain, frost, snow and high humidity can interfere with the adhesion of the membrane.
   With temperatures below +2°C it is better to avoid the application.
2. Before application, the substrate must be clean and dry.
3. Damp surfaces can be overlaid with Bituline® cap sheets, gravel ballast or concrete pavers but standing water should be removed from the deck surface and from the build-up before recommencing laying operations.
4. Special care is required during installation to avoid damage to waterproofing membranes. If it is impossible to restrict access to the roofing professionals alone, temporary protection must be employed to protect the membrane from the level of traffic.
5. All works after the laying of the waterproofing sheet, should be carried out with care and adequately supervised to avoid damage to the membrane. Where ladders are required, these should be placed on a timber plank to spread the load.
6. Think safety first. Wear PPE

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