

DWI**DERMABIT**
WATERPROOFING IND.

Technical Data Sheet

DERMABIT 4050 ALUMINIUM

APP MODIFIED BITUMINOUS MEMBRANE WITH FIBERGLASS REINFORCEMENT AND ALUMINIUM TOP

| Tests Performed – As per ASTM | Procedure | Units | Tolerance | Value |
|---|------------|--------|-----------|--------|
| Length | | m | <-1% | 10 |
| Width | | m | <-1% | 1 |
| Thickness | ASTM D5147 | mm | -0.2mm | 4.00 |
| Tensile Properties : Max Tensile Force-Long | ASTM D5147 | N/50mm | -20% | 550 |
| -Trans | ASTM D5147 | N/50mm | -20% | 400 |
| Tensile Properties : Elongation -Long | ASTM D5147 | % | -15 | 4 |
| -Trans | ASTM D5147 | % | -15 | 4 |
| Resistance to Tearing -Long | ASTM D5147 | N | min | 450 |
| -Trans | ASTM D5147 | N | min | 350 |
| Lap Joint Strength -Long | ASTM D5147 | N/5cm | -20% | 550 |
| -Trans | ASTM D5147 | N/5cm | -20% | 400 |
| Flexibility at Low Temperature | ASTM D5147 | C | min | -5 |
| Dimensional Stability at 80C -Long | ASTM D5147 | % | mlv | -0.5 |
| -Trans | ASTM D5147 | % | mlv | -0.5 |
| Water Absorption (n/a slate) | ASTM D5147 | % | mlv | < 0.15 |

| Tests Performed – As per CE | Procedure | Units | Tolerance | Value |
|---|------------|--------------------|-----------|-------|
| Visible Defects | EN 1850-1 | No./m ² | 0 | 0 |
| Length | EN 1848-1 | m | <-1% | 10 |
| Width | EN 1848-1 | m | <-1% | 1 |
| Straightness | EN 1848-1 | mm | <20mm | Pass |
| Mass Per Unit Area | EN 1849-1 | kg/m ² | +/- 10% | 4.7 |
| Thickness | EN 1849-1 | mm | -0.2mm | 4.0 |
| Water Tightness to Liquid Water | EN 1928-1 | mlv | >60kPa | Pass |
| Tensile Properties : Max Tensile Force-Long | EN 12311-1 | N/5cm | -20% | 550 |
| -Trans | EN 12311-1 | N/5cm | -20% | 400 |
| Tensile Properties : Elongation -Long | EN 12311-1 | % | -15 | 4 |
| -Trans | EN 12311-1 | % | -15 | 4 |
| Resistance to Tearing (Nail Shank) -Long | EN 12310-1 | N | min | 70 |
| -Trans | EN 12310-1 | N | min | 90 |
| Shear Resistance of Joint -Long | EN 12317-1 | N/5cm | -20% | 550 |
| -Trans | EN 12317-1 | N/5cm | -20% | 400 |
| Resistance to Static Loading (method A) | EN 12730 | kg | min | 8 |
| Resistance to Impact | EN 12691 | mm | mlv | >300 |
| Flexibility at Low Temperature | EN 1109 | C | min | -5 |
| Dimensional Stability -Long | EN1107-1 | % | max | -0.5 |
| Flow Resistance less than 2mm | EN1110 | C | mlv | 100 |
| Reaction to Fire | EN 13501-1 | | Euroclass | F |