

Product Description

Insuwrap PVC 1200 WMR is calendered high polymer waterproofing membrane, (thickness 1.20 mm) reinforced with polyester mesh, not compatible with bitumen, manufactured to the highest International standards offering high physical properties and long term durability. **Insuwrap** 1200 WMR is manufactured using the best raw materials produced by SABIC

| Test | ASTM D 4434 STANDARD Requirements | Results, 1200 WMR |
|---|-----------------------------------|-------------------|
| Overall thickness of PVC sheet, min, mm | 1.2 | |
| Tensile strength at break, min, MPa (psi): | | |
| Machine direction | 10.4 (1500) | >15.0 (2162) |
| Cross-machine direction | 10.4 (1500) | >15.0 (2162) |
| Elongation at break, min, % | 250 | >300 |
| Machine direction | 220 | >300 |
| Cross-machine direction | | |
| Seam strength, min, % of tensile or breaking strength | 75 | >82 |
| Retention of properties after heat aging: | | |
| Tensile strength, min, % of original | 90 | >90% |
| Elongation, min, % of original | 90 | >90% |
| Tear resistance, min, N (bf) | 45.0 (10.0) | >90 |
| Low temperature bend | Pass | Pass |
| Accelerated weathering test: | | |
| Cracking (7 x magnification) | None | None |
| Crazing (7 x magnification) | None | None |
| Linear dimensional change, max, % | 0.1 | < 0.08 |
| Change in weight after immersion in water, max, % | ± 3.0 | < ± 1.0 |
| Static Puncture Resistance | Pass | Pass |
| Dynamic Puncture Resistance | Pass | Pass |
| Fire Class | ASTM E108 | Pass (Class B) |

| Test | DIN 16735 STANDARD Requirements | Results, 1200 WMR |
|---------------------------------------|---------------------------------------|---------------------|
| Thickness (mm) | | 1.20 |
| Mass (kg/m ²) | | 1.56 |
| Tensile strength (N/mm ²) | Min 8.0 N/mm ² | > 15.0 |
| Elongation at break | Min 150% | > 300% |
| Thermal stability (6hrs - 90°C) | Less than 1% | <0.3% |
| TearStrength(N) | Min 80 N | > 95N |
| Puncture resistance | Drop hammer 500gms,from 300mm no leak | Passed |
| Water vapour defusion resistance (u) | Less than 30,000 | < 23,000 |
| Cold bend | No cracks at -20°C | No cracks at - 30°C |
| Resistance to Algea & rot | | High resistance |
| Fire class | DIN 4102 | Pass (Class B2) |

Waterproofing & Wrapping Products Co., (INSUWRAP)