

# Safety PLAST EPP 4mm

CE<sup>14</sup> 1381-CPR-421  
N.B. 1381

|                     |  |
|---------------------|--|
| <b>Description:</b> | Bituminous membrane for roof waterproofing.  |
| <b>Composition:</b> | Carrier in polyester (E), waterproofing APP modified bitumen mass; antiadherent upper layer in thermoplastic film (P) and lower layer in thermoplastic film (P). |
| <b>Application:</b> | By torching or by nailing if pitch is over 20°. Application Temperature >+5°C.   |

## DIMENSIONS

|              |           |        |      | tol. |
|--------------|-----------|--------|------|------|
| Length       | EN 1848-1 | m      | 8    | + 1% |
| Width        | EN 1848-1 | m      | 1    | + 1% |
| Thickness    | EN 1849-1 | mm     | 4    | ± 5% |
| Straightness | EN 1848-1 | mm/10m | Pass | -    |

## CHEMICAL AND PHYSICAL PROPERTIES

|  |                        |         |         | tol.   |
|--|------------------------|---------|---------|--------|
| Visible Defects  | EN 1850-1              | Visivo  | None    | -      |
| Tensile Resistance MD/CMD  | EN 12311-1             | N/5cm   | 600/400 | ± 20%  |
| Elongation MD/CMD  | EN 12311-1             | %       | 45      | - 15   |
| Resistance to Tearing (Nail Method)  | EN 12310-1             | N       | >120    | -      |
| Shear Resistance of Joints   | EN 12317-1             | N/5cm   | 500/300 | ± 20%  |
| Resistance to Impact (Method A)  | EN 12691               | mm      | >700    | -      |
| Resistance to Static Loading (Method A)  | EN 12730               | Kg      | >10     | -      |
| Dimensional Stability MD/CMD (Method A)  | EN 1107-1              | %       | <0,5    | -      |
| Flexibility at Low Temperatures  | EN 1109                | °C      | <-10    | -      |
| Flow Resistance at High Temperatures   | EN 1110                | °C      | >110    | -      |
| Waterproofing (Method A)   | EN 1928                | kPa     | Pass    | -      |
| Water Vapour Transmission  | EN 1931                | μ       | >20000  | -      |
| Flow Resistance at High Temperatures, after Thermal Aging  | EN 1296 / EN 1110      | °C      | >110    | -      |
| Waterproofing after Artificial Aging by Long Term Exposition to High Temperature                       | EN 1296 / EN 1928      | kPa     | 60      | -      |
| Artificial Aging by Long Term Exposition to a Combination of UV Radiations, High Temperature and Water | EN 1297 / EN 18501     | Visual  | Pass    | -      |
| Waterproofing after Exposition to Chemical Agents  | EN 1847 / EN 1928      | kPa     | 60      | -      |
| Adhesion of Granules   | ASTM D4977<br>EN 12039 | -g<br>% | -<br>-  | -<br>- |

## FIRE BEHAVIOR

|                          |            |       |             |
|--------------------------|------------|-------|-------------|
| External Fire Resistance | EN 13501-5 | Class | B Roof (t1) |
| Reaction to Fire         | EN 13501-1 | Class | F           |

## PACKAGING

|                        |               |
|------------------------|---------------|
| Type                   | Adhesive Tape |
| Rolls/Pallet           | 23            |
| m <sup>2</sup> /pallet | 184           |

## PRODUCT DESTINATION (according EN 13707 and EN 13969)

| in FOUNDATIONS |              | in MULTILAYER SYSTEMS       |               |                 |               | in SINGLE LAYER        |               |
|----------------|--------------|-----------------------------|---------------|-----------------|---------------|------------------------|---------------|
| Rising Damp    | Ground Water | Lower or Intermediate Layer |               | Finishing Layer |               | Heavy Under Protection | Exposed Layer |
|                |              | Heavy Underpr.              | Exposed Layer | Heavy Underpr.  | Exposed Layer |                        |               |
| X              | X            | X                           | X             | X               | X             |                        |               |

|                 |   |
|-----------------|---|
| <b>Safety:</b>  | Material is asbestos, tar compounds and dangerous substances free.                                      |
| <b>Storage:</b> | Material is packed vertically on pallet. Keep vertically and in warehouse. Keep away from heat sources. |
| <b>Other:</b>   | The producer can update the tds without notice.   |

# SAFETY

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