

PARADIAL S

DESCRIPTION AND SCOPE OF APPLICATION

This product is a reinforced elastomeric bitumen sheet with a thermostable embossed metal foil facing with expansion compensation system.

This product is for use as cap sheet of a two-layer, self protected roof waterproofing system for inaccessible roof, or as roofing membrane for upstand, gutters, penetrations and others roof details. It can be also used for miscellaneous works. In either case, this product must be used in accordance with the relevant technical specifications accepted by our company.

COMPOSITION

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|------------------------------|--|
| Main surface | Embossed aluminium foil. |
| Longitudinal overlap surface | Thermofusible film. |
| Blend | Fillerized SBS (Styrene-Butadiene-Styrene) elastomeric bitumen |
| Reinforcement | Glass grid glass mat. |
| Underface | Thermofusible film. |


DIMENSIONAL CHARACTERISTICS

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|---|----------------------|
| Nominal thickness on the longitudinal selvedge (mm) | 3.7 |
| Nominal thickness on the main surface (for information only) (mm) | 3,7 (no contractual) |
| Longitudinal selvedge nominal width (mm) | 70 |
| Roll nominal length and width (m) | 10 x 1 |

PERFORMANCES

| KIND OF TEST | Reference Norm | Units | Average values |
|------------------------------|-------------------|--------|----------------|
| Tensile strength at max | EN 12 311-1: 1999 | N/50mm | 900 x 900 |
| Elongation at max | EN 12 311-1: 1999 | % | 4 X 4 |
| Cold temperature flexibility | EN 1109 | °C | ≤ - 15 |
| Heat flow test | EN 1110 | °C | ≥ 100 |
| Dimensional stability | EN 1108 | mm/m | ≤ 2 |
| Static puncture resistance | EN 12730 | kg | 5 |
| Fire rating | | M1 | |

ISO 9001 REFERENCE DOCUMENT

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| . Our company has been awarded the ISO 9001 certificate for all its establishments in France. |  |
| . The Technical Agreement VERMETAL is the ISO 9001 reference document. | |

PACKAGING

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| Rolls quantity per truck pallet | 20 |
| Rolls quantity per container pallet | 23 |
| Rolls quantity per wooden box | 20 |
| Nominal weight / m ² (kg/m ²) | 4.2 |
| Nominal weight / roll (kg) | 42.4 |

GENERALITIES ABOUT APPLICATION

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|-------------|--|
| Using | The generalities about the product using are set out in the ZSA STANDARD |
| Application | The generalities about the product application are set out in the ZTA STANDARD |
| Overlaps | Current building practices concerning overlaps are set out in the ZRA STANDARD |
| Slopes | Current building practices concerning slopes are set out in the ZPA STANDARD |

COMPLEMENTARY INFORMATIONS

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|---------------------------|--|
| Product identification | |
| Values | Where 2 values for given characteristics are shown, the first is for longitudinal direction and the second is for the cross direction. |
| Tolerances | The average values derived from standard tests and are subject to the usual production variations. The indicated average values comply with the UEAtc standard and project prEN 13707. The nominal value tolerances comply with the UEAtc standards. Some slight variations can be noticed as the values are based on the average values obtained from several plants. |
| Modification(s) | Our company reserves the right to modify its composition as a result of technologic and experiments improvements. This product data sheet supersedes the previous edition, to obtain the up-date technical data sheet, please contact our technical department. |
| Hazardous classification | It is not classified as dangerous according to the international regulation (ADR, RID, IATA, et RTMDR) |
| Complementary information | This product is only a product technical data sheet, regarding each waterproofing design, please, consult the concerned technical agreement and in case of doubt contact our technical department. |
| Storage | This product is packaged in rolls set up vertically on pallet or wooden box. It must be stored vertically under shelter, away from heat sources. |