

## PAROC Hvac Section AluCoat T



|                      |                                                                                                         |
|----------------------|---------------------------------------------------------------------------------------------------------|
| Certification Number | 0809-CPR-1016 / Eurofins Expert Services Ltd, Kivimiehentie 4, FI-02150 Espoo, Finland                  |
| Designation Code     | MW-EN 14303-T8/T9-ST(+)-250-WS1-MV2-CL10                                                                |
| Short Description    | Stone wool pipe section with reinforced aluminium foil facing. Tape fastening on the longitudinal seam. |
| Application          | Thermal and condensation insulation of pipework and air ducts.                                          |

The notified body Eurofins Expert Services Ltd. (0809) performed and issued the certificates: Type-Examination (Module B) certificate No. VTT-C-12177-15-17

Surface temperature of the facing must not exceed +80°C (temperature restriction determined in accordance with heat resistance of adhesive).  
PAROC stone wool products are capable of withstanding high temperatures. The binder starts to evaporate when its temperature exceeds approximately 200°C. The insulating properties remain unchanged, but the compressive stress weakens. The softening temperature of stone wool products is over 1000°C.

### Dimensions

| Dimensions                  |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| Thickness                   | Inner Diameter              | Pipe Section Length         |
| 20 - 100 mm                 | 12 - 612 mm                 | 1200 mm                     |
| In accordance with EN 13467 | In accordance with EN 13467 | In accordance with EN 13467 |

| Dimensional Stability                               |        |                                  |
|-----------------------------------------------------|--------|----------------------------------|
| Property                                            | Value  | According to                     |
| Maximum Service Temperature - Dimensional Stability | 250 °C | EN 14303:2009+A1:2013 (EN 14707) |

### Packaging

|              |                                    |
|--------------|------------------------------------|
| Package Type | Cartons or plastic packs on pallet |
|--------------|------------------------------------|

### Fire Properties

| Reaction to Fire            |                          |                                    |
|-----------------------------|--------------------------|------------------------------------|
| Property                    | Value                    | According to                       |
| Reaction to Fire, Euroclass | A2 <sub>L</sub> - s1, d0 | EN 14303:2009+A1:2013 (EN 13501-1) |

| Other Fire Properties      |                                  |                           |
|----------------------------|----------------------------------|---------------------------|
| Property                   | Value                            | According to              |
| Fire Classification (IMO)  | Non-combustible                  | IMO FTP Code Part 1       |
| Surface Flammability (IMO) | Low flame-spread characteristics | IMO FTP Code Part 2 and 5 |
| Combustibility             | Base product non-combustible     | EN ISO 1182               |

## Thermal Properties

| Thermal Resistance                              |                                                                     |                                     |
|-------------------------------------------------|---------------------------------------------------------------------|-------------------------------------|
| Property                                        | Value                                                               | According to                        |
| Thermal Conductivity in 10 °C, $\lambda_{10}$   | 0,033 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Thermal Conductivity in 50 °C, $\lambda_{50}$   | 0,037 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Thermal Conductivity in 100 °C, $\lambda_{100}$ | 0,044 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Thermal Conductivity in 150 °C, $\lambda_{150}$ | 0,053 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Thermal Conductivity in 200 °C, $\lambda_{200}$ | 0,064 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Thermal Conductivity in 250 °C, $\lambda_{250}$ | 0,077 W/mK                                                          | EN 14303:2009+A1:2013 (EN ISO 8497) |
| Dimensions and Tolerances                       | T8 for outer diameter < 150 mm, T9 for outer diameter $\geq$ 150 mm | EN 14303:2009+A1:2013               |

## Moisture Properties

| Water Permeability                     |                         |                                  |
|----------------------------------------|-------------------------|----------------------------------|
| Property                               | Value                   | According to                     |
| Water Absorption, Short Term WS, $W_p$ | $\leq 1 \text{ kg/m}^2$ | EN 14303:2009+A1:2013 (EN 13472) |

| Water Vapour Permeability         |       |                                  |
|-----------------------------------|-------|----------------------------------|
| Property                          | Value | According to                     |
| Water Vapour Diffusion Resistance | MV2   | EN 14303:2009+A1:2013 (EN 13469) |

## Rate of Release of Corrosive Substances

| Trace Quantities of Water Soluble Ions and the pH Value |          |                                  |
|---------------------------------------------------------|----------|----------------------------------|
| Property                                                | Value    | According to                     |
| Chloride Ions, Cl <sup>-</sup>                          | < 10 ppm | EN 14303:2009+A1:2013 (EN 13468) |

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