



## TECHNICAL DATA SHEET

# CondenStop® CS

**Application:** Anti Condensation Drip for use in single & double skin roof systems

### Composition

|                |                                      |
|----------------|--------------------------------------|
| • Fiber        | Polyester                            |
| • Binder       | Acrylate / PAN - PMMA - microspheres |
| • Finish       | Hotmelt adhesive                     |
| • Colour       | Standard Grey                        |
| • Release Foil | HDPE-liner                           |

### Absorption & Drying Properties

| <i>NF P 15-203-1</i>           | <i>Unit</i>                                      | <i>Value</i> | <i>Conditions</i>                    |
|--------------------------------|--|--------------|--------------------------------------|
| • Absorption (condensed water) | g/m <sup>2</sup> (lbs/100 ft <sup>2</sup> )      | 1000 (21)    | 100%RH, ΔT:17°C (31°F)               |
| • Time to drip                 | time (hrs)                                       | > 6          | 100%RH, 40°C (104°F), ΔT:17°C (31°F) |
| • Drying speed                 | g/m <sup>2</sup> /h (lbs/100 ft <sup>2</sup> /h) | 80 (1.64)    | 50%RH, 23°C (73°F)                   |

  

| <i>DIN 53.923</i>             | <i>Unit</i>                                 | <i>Value</i> | <i>Conditions</i>              |
|-------------------------------|---|--------------|--------------------------------|
| • Absorption (immersion test) | g/m <sup>2</sup> (lbs/100 ft <sup>2</sup> ) | >1000 (>21)  | 24 hrs full immersion in water |

### Flame & Thermal Properties

|                        | <i>Unit</i>        | <i>Value</i>   | <i>Standard</i>                |
|------------------------|--------------------|----------------|--------------------------------|
| • Flame retardancy     | Class              | I <sup>1</sup> | ASTM 84-04                     |
| • Reaction to Fire     | Class              | A2, s1, d0     | EN 13501-1 (on profiled sheet) |
| • Thermal conductivity | (l) W/mK           | 0.02           |                                |
| • R-value              | m <sup>2</sup> K/W | 0.065          |                                |

• CondenStop® can be qualified as class I<sup>1</sup> impervious to mold growth<sup>2</sup>

### Mechanical Properties

|                          | <i>Unit</i>     | <i>Value</i> | <i>Standard</i> |
|--------------------------|-----------------|--------------|-----------------|
| <b>Tensile strength:</b> |                 |              |                 |
| • Machine direction      | N/5 cm (lbf/in) | 90 (10.2)    | ISO 9073-3      |
| • Cross direction        | N/5 cm (lbf/in) | 15 (1.7)     | ISO 9073-3      |
| <b>Elongation:</b>       |                 |              |                 |
| • Machine direction      | %               | 20           | ISO 9073-3      |
| • Cross direction        | %               | 80           | ISO 9073-3      |

### Dimensions & Packaging

|                       | <i>Unit</i>                                 | <i>Value</i> | <i>Standard</i> |
|-----------------------|---|--------------|-----------------|
| • Weight <sup>3</sup> | g/m <sup>2</sup> (lbs/100 ft <sup>2</sup> ) | 90 (1.8)     | ISO 9073-1      |
| • Thickness           | mm (mils)                                   | 1.3 (51)     | ISO 9073-2      |
| • Max. Width          | mm (inch)                                   | 1520 (60)    |                 |
| • Core Diameter (ID)  | mm (inch)                                   | 76 (3)       |                 |
| • Roll-length         | m (foot)                                    | 800 (2600)   |                 |
| • Packaging           | PE Stretch Foil                             |              |                 |

Visit us at [www.condenstop.com](http://www.condenstop.com) for more information

*1 Classification from the Model Building Codes, 2 Testing and classification by TNO Construction, 3 Excluding Release Foil*

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