1 PRODUCT DESCRIPTION

The RPI-D Intumescent Strips are smoke- and fire-resistant strips which expand strongly with no noticeable pressure development when exposed to fire or radiant heat. They can be used to produce a fire-resistant seal in cracks and joints.

2 MATERIAL DESCRIPTION

RPI-D Intumescent Strips consist of a flexible plastic, binder and expanding graphite.

3 APPLICATIONS

- **RPI-D Intumescent Strip**: The plastic RPI-D Intumescent Strip is highly flexible and can be used in many different situations in which cracks and joints need to be sealed in the event of a fire, such as joints between window frames and (fire-resistant) moving parts, small seals around plastic pipes and gaps between structural parts.

- **RPI-D Door Strip**: The RPI-D Door Strip consists of an RPI-D Intumescent Strip in a PVC covering. This finish is ideal for visible applications and is available in various colours.

- **RPI-D Smoke Strip**: The RPI-D Smoke Strip consists of a profile fitted with a brush to prevent smoke and draught penetration.

For dimensions and colours, see the RPI-D Intumescent Strips product sheet.

4 USE

See Application Manual.

5 REQUIRED COATING THICKNESS

N/A

6 DRYING TIME

N/A

7 PHYSICAL PROPERTIES

- **Tensile strength**: 140 - 200 kPa
- **Strain at failure**: 50 - 80%
- **Indentation hardness (at 40% indentation)**: 25 - 35 kPa
- **Permanent deformation (50% indentation)**: < 8%

Based on systems with a density of approximately 210 kg/m³
RPI-D/Intumescent Strip/ Door Strip/ Smoke Strip

TECHNICAL DATA SHEET

Insulation value 0.062 - 0.067 W/mK
Surface resistance 1.0 - 1.5 · 10³ 
Specific resistance 4 · 7 · 10⁹ _cm_
Dielectric constant 3.0 - 3.5 (1 kHz)
Based on systems with a density of approximately 260 kg/m³
Dielectric loss factor 0.25 - 0.3 (1 kHz)

8 SAFETY INFORMATION

N/A, contains no hazardous preparations.

9 PACKAGING

RPI-D Intumescent Strips are packed singly or bundled in a box or cardboard tube.

10 TRANSPORT AND STORAGE

Protect against damp. Store at a relative humidity of between 20 and 80%.
Protect against frost and heat. Store between 5°C and 30°C.

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We reserve the right to make changes without notice.
We accept no liability for information in this sheet.

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