

- Operating temperature range  
-55°C to +80°C
- Flexible to allow for protection of  
curved edges

## Rayrim

Protective self-adhering  
edging material

## Raychem

Raychem Rayrim is an extruded strip internally coated with a heat activated adhesive, so that on heating the profile changes from a 'V' to a 'U' section and the adhesive bonds to the substrate profile. Manufactured from a Raychem

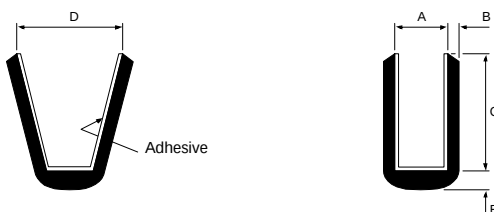
radiation cross-linked polyolefin material, the profile offers a clean and rapid means of covering metal, wood and glass edges for all-round protection. The flexible nature of the product allows application to both internal and external radii, as well

as straight edges, and the continuous operating temperature of -55°C to +80°C means that the product can give protection under the most testing circumstances.

### Temperature rating

Operating temperature range: -55°C to +80°C

### Ordering information



| A (max)<br>mm | B (min)<br>mm | C (min)<br>mm | D (min)<br>mm | E (typical)<br>mm | Standard package<br>1.22m length<br>quantity | Ordering description |
|---------------|---------------|---------------|---------------|-------------------|----------------------------------------------|----------------------|
| 0.6           | 0.5           | 3.5           | 0.8           | 1.25              | 60                                           | RAYRIM Nr. 6         |
| 1.0           | 0.9           | 4.8           | 1.6           | 1.25              | 60                                           | RAYRIM Nr. 7         |
| 2.0           | 0.9           | 6.6           | 2.5           | 2.25              | 60                                           | RAYRIM Nr. 8         |
| 4.2           | 0.9           | 13.5          | 4.5           | 2.20              | 30                                           | RAYRIM Nr. 9         |

The largest size which will fit over the panel should be ordered.

### Application range

| Plate | Thickness | Recommended minimum<br>bend radius | Ordering description |
|-------|-----------|------------------------------------|----------------------|
| SWG   | mm        | mm                                 |                      |
| 30-24 | 0.31-0.56 | 10                                 | RAYRIM Nr. 6         |
| 23-16 | 0.61-1.63 | 15                                 | RAYRIM Nr. 7         |
| 15-10 | 1.83-3.25 | 20                                 | RAYRIM Nr. 8         |
| 9-5   | 3.66-5.38 | 25                                 | RAYRIM Nr. 9         |

### Standard colours

|        |       |
|--------|-------|
| Colour | Black |
| Code   | 0     |

# Rayrim

## Performance

| Test                                                                        | Test method | Test requirement |
|-----------------------------------------------------------------------------|-------------|------------------|
| Tensile strength:                                                           | ISO 37      | 10 MPa (min)     |
| Ultimate elongation:                                                        | ISO 37      | 250% (min)       |
| Adhesion:<br>Rayrim to aluminium                                            |             | 25 N/25 mm (min) |
| For full product performance details consult Raychem Specification RK 6182. |             |                  |

## Special installation instructions

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| On the application of heat above +80°C the adhesive will melt and flow. On the application of heat above +120°C the profile will change, from a 'V' to a 'U' section to grip the substrate profile.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| The following procedure is recommended for installation:<br>1. Prior to installation, panel edges should be thoroughly degreased with a suitable solvent.<br>2. An installation temperature of +150°C to +200°C is preferable.<br>3. The end of the strip should be heated until the adhesive is tacky and then applied to the plate with a gloved hand. With the end thus anchored, the spine of the Rayrim can be heated and fed onto the edge of the panel at a rate of approximately 20 cm/minute, keeping the strip reasonably taut and performing the operation continuously. The strip can then be cut to length, once the spine has been firmly settled and aligned on the panel edge.<br>4. The edges can then be heated and pressed into place using a gloved hand or suitable flat surface, applying gentle pressure to ensure proper adhesion. Any excess adhesive may be removed with a suitable solvent (eg Methyl-Ethyl-Ketone)<br>5. Note that the hot-melt adhesive will be re-activated by temperatures in excess of +80°C thus allowing for repair after localised damage to the strip. |

## Equipment

|                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Raychem manufactures a variety of heating tools for installation of heat-shrinkable materials. The range includes compressed air pistols, hot air blowers, infra-red heaters and special automatic heating devices. Further information and literature on Raychem heating equipment is available on request. |
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## Specifications

|                                                  |
|--------------------------------------------------|
| Raychem Specification RK 6182.                   |
| Installation instructions available on request.  |
| Material Safety Data Sheet available on request. |

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