

- Flexibility allows protection of curved edges
- Clean and rapid installation

## TPEM

Protective self-adhering edging material

### Raychem Interconnect

TPEM is an extruded V-shaped strip internally coated with a heat activated adhesive, so that on heating the profile changes from a 'V' to a 'U' section to grip the edge and the adhesive bonds to the substrate profile.

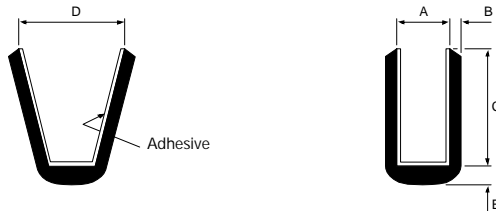
Manufactured from a Raychem radiation cross-linked polyolefin material, the profile offers a clean and rapid means of covering metal, wood and glass edges for all round protection.

The flexible nature of the product allows application to both internal and external radii, as well as straight edges.

#### Temperature rating

Operating temperature range:	-55°C to +80°C
Minimum recovery temperature:	+120°C

#### Ordering information



A (max)	B (min)	C (min)	D (min)	E (typical)	Standard package	Ordering description
mm	mm	mm	mm	mm	1.2 m length quantity	
0.6	0.5	3.5	0.8	1.25	30	TPEM Nr. 6
1.0	0.9	4.8	1.6	1.25	30	TPEM Nr. 7
2.0	0.9	6.6	2.5	2.25	30	TPEM Nr. 8
4.2	0.9	13.5	4.5	2.20	12	TPEM Nr. 9

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

#### Application range

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

#### Standard colours

Colour	Black
Code	0

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# TPEM

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## Performance

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Tensile strength:	10 MPa (min) ISO 37
Ultimate elongation:	250% (min) ISO 37
2% secant modulus:	172 MPa (max)
Adhesion:	35 N/25 mm (min)

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For full product performance details consult Raychem Specification RK 6029.

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## Installation instructions

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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:

1. Prior to installation, panel edges should be thoroughly degreased with a suitable solvent.
  2. An installation temperature of +150°C to +200°C is preferable.
  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.
  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).
  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.
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## Equipment

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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

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Raychem Specification RK 6029.

Installation instructions available on request.

Material Safety Data Sheet available on request.

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Raychem Interconnect  
Cheney Manor Industrial Estate  
Swindon, Wiltshire SN2 2QE  
Tel: (44)-1793-528171  
Fax: (44)-1793-616652

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