

- 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

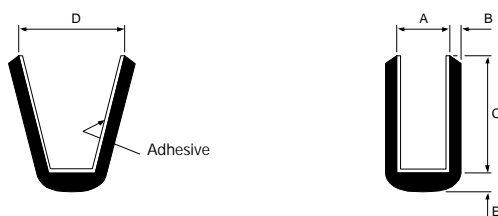
radiation cross-linked polyolefin material, the profile offers a clean and rapid means of covering metal, wood and glass edges for all-round protection. The flexible nature of the product allows application to both internal and external radii, as well

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) mm	B (min) mm	C (min) mm	D (min) mm	E (typical) mm	Standard package 1.22m length 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 mm	Recommended minimum bend radius mm	Ordering description
SWG			
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: 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:

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.

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.

Specifications

Raychem Specification RK 6182.

Installation instructions available on request.

Material Safety Data Sheet available on request.

Raychem and Rayrim are trademarks of Tyco Electronics Corporation.

All of the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.

Tyco/Electronics/Raychem
306 Constitution Drive
Menlo Park, CA 94025
U.S.A
Tel: (650)-361 3333

Tyco/Electronics/Raychem
Cheney Manor Industrial Estate
Swindon, Wiltshire SN2 2QE
UK
Tel: (44)-1793 573762

Tyco/Electronics/Raychem
3816 Noborito, Tama-ku
Kawasaki 214-8533
Japan
Tel: (81)-44 9005102

Tyco/Electronics/Raychem
No. 26 Ang Mo Kio Ind. Park
Singapore 569507
Tel: (65)-4866151