



TECHNICAL DATA SHEET

Tema Grating Tape (TGT)

Product description

TGT is a self-adhesive, easy-to-use and highly effective mechanical protection against corrosion, with three key areas of use:

Under gratings:

To be installed directly on to the coating before grating is put into place, creating a robust gasket that prevents corrosion attacks under the grating by avoiding mechanical damage of the coating.

Holes, rifts and similar damages to the coating would otherwise expose the underlying material to aggressive oxidation.

On clamps and supports:

To be installed directly on the inside of clamps against pipe and/or between the pipe and supports.

TGT constitutes a robust mechanical protection of the pipe coating. Damages to the pipe coating caused by the movements of the pipe scrubbing against clamps and/or supports are eliminated. As a result, aggressive corrosion attacks will no longer be a problem.

Galvanic barrier:

TGT between metals of different grades prohibits galvanic corrosion.

Specifications

Manufacturing origin	France (Priplak strips), Belgium (adhesive)
Adhesive (9605)	Heavy duty permanent modified acrylic with a 50-micron polyester carrier giving added strength to the laminate and has high adhesion and excellent ageing and weather resistant properties.
Peel adhesion	20 N/20mm
Shear adhesion	580 N/4cm ²
Total product thickness	1mm nominal, 0.8mm thick rigid polypropylene containing fire retardant agents laminated to 0.22mm heavy duty, acrylic adhesive
Weight	Nominal, 1000g/m ²
Colour	White
Release liner	85 g/m ² silicon amber liner
Application surface	Clean, dry, dust & grease free. Dirt affects adhesion properties.
Application temperature	+15°C– 25°C (optimal), total range -5°C– +35°C
Chemical resistance	Polypropylene has good resistance to water, fats, alcohols and most solvents. Acrylic adhesive has excellent chemical and solvent resistant properties.
TGT format	Strips (i.e. not roll)
TGT delivery formats	50mm x 1000mm, 100mm x 1000m or 150mm x 1000mm. Other widths available upon request (max width 600mm)
Strips per carton	100 (may be adjusted upon request)
Fire ratings	Classification as to reaction to fire: M1 up to Standard NF P 92-507 <i>Procès Verbal N° G070164 – CEMATE/1 & N° G011660 - CEMATE/1</i>
Fire rating assessments	Electrical burner test (NF P 92-503) Flame persistence test & speed of the spread of flame (NF P 92-504) Dripping test (NF P 92-505)