

# ORAMOUNT 1810

Technical Data Sheet

2012/11

## Description

This tape consists of a white, closed-cell polyethylene foam coated on both sides with a solvent pure acrylate adhesive. The solvent pure acrylate adhesive guarantees a high final strength and is resistant to extreme temperatures, plasticisers, acids, leaches and solvents. It is inert towards different lacquers for mirrors. The adhesive is lined with a blue paper coated on both sides with silicone and polyethylene.

## Carrier

Closed-cell polyethylene foam, white, 1000 micron

## Liner

Blue paper, 140 g/m<sup>2</sup>, both sides coated with silicone and polyethylene

## Adhesive

Solvent pure acrylate

## Area of use

Used for the installation of mirrors in the furniture and sanitary industry. The recommended amount of applied adhesive area per 1kg mirror weight is 60 cm<sup>2</sup>. For adhesion of aluminium, steel and GRP outer skins during the construction of truck containers. For the fixing of type and capacity signs as well as displays and product prototypes in the advertising industry. For the fixing of panels and handles in the appliance and electrical industry. Ideal for use in exhibitions, conferences and interior fit-outs. This product provides an excellent bonding performance in the manufacture of solar panels offering long term exterior adhesion to aluminium and glass panels.

## certificates:

The tape is certified according to UL 746C.

## Technical data

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|--|---|
| <b>Thickness*</b> (foam + adhesive)  | 1100 micron   |
| <b>Density*</b>  | 67 kg/m <sup>3</sup>  |
| <b>Temperature resistance***</b>   | -40°C to +95°C  |
| <b>LoopTack*</b> (FINAT TM 9)  | 20 N/25mm   |
| <b>Adhesive power*</b><br>(FINAT TM 1, on stainless steel, one side covered with 50 micron polyester film) | after 1 min 16 N/25mm<br>after 20 min > 16 N/25mm, foam tear<br>after 24 h > 16 N/25mm, foam tear |
| <b>Shear strength*</b><br>(FINAT TM 8, on stainless steel, one side covered with 50 micron polyester film) | > 1000 h at 23°C<br>> 72 h at 70°C  |
| <b>Temperature resistance*</b> (S.A.F.T.)  | 100°C   |
| <b>Shelf life**</b>  | 2 years   |
| <b>Application temperature</b>   | > +18°C   |

\* average

\*\* in original packaging, at 20°C and 50% relative humidity

\*\*\*normal climate of Central Europe

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.



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