

## "SCOTCH" #467 M.P. ADHESIVE TRANSFER TAPE

Description: A 0.05mm thick, high performance acrylic adhesive coated on a moisture stable polycoated printed paper liner.

### APPLICATIONS:

1. Mounting nameplates; escutcheons and decorative trim.
2. Lamination to back printed polycarbonate or polyester graphic overlays.
3. Bonding together a wide variety of similar and dissimilar surfaces such as metals, painted surfaces, glass and high surface energy plastics, where a long ageing bond is required

### TECHNICAL INFORMATION

#### CONSTRUCTION:

Adhesive: Pressure sensitive Acrylic (A-30)

Liner: Polycoated Kraft paper.

#### AVERAGE PHYSICAL PROPERTIES \* AND PERFORMANCE CHARACTERISTICS

(\* not recommended for specification purposes)

Total Thickness:	0.15mm (0.006in)
Adhesive Thickness:	0.05mm (0.002in)
180° peel Adhesion to steel:	14N/25mm (50 oz/in)
Approx. Max Temperature	Continuous 120° C *
Resistance	Short Term 180° C *

(\* Depends on substrate, end use conditions etc.  
Evaluate thoroughly.)

U.V. Resistance: Excellent.

Water Resistance: No evidence of adverse effects on the bond of properly applied materials after immersion in 21°C water for 100 hours.

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Solvent resistance: When the adhesive is properly applied between two impervious materials it will resist most solvent attack and adhesive softening through edge contact with mild acids, and alkalis, oils, grease, gasoline, kerosene, JP-4 fuel and many other standard aromatic and aliphatic hydrocarbons. However, this product is not recommended for uses where continuous immersion is required.

**GENERAL INFORMATION:**

1. This product is suited for joining materials that are relatively smooth and thin and have low residual stress. If slightly rough or textured materials with a small degree of residual stress are to be joined then Scotch 468MP (0.13mm thick) adhesive transfer tape should be evaluated.
2. initial bond strength to many surfaces is high. However bond strength increases as a function of time and temperature. Allow up to 72 hours at room temperature (20°C) for this product to reach maximum bond strength.
3. This is a permanent adhesive in the same sense that it does not degrade upon ageing when sandwiched between two substrates in normal use.
4. Shelf life is at least 12 months when stored in original cartons at 21°C and 50% R.H.

**APPLICATION TECHNIQUES:**

1. Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure develops better adhesive contact and thus improves bond strength.
  2. To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified.
  3. Ideal tape application temperature range is 20°C to 40°C. Initial tape application to surfaces at temperatures below 10°C is not recommended because adhesive becomes too firm to adhere readily. However, once properly applied, low-temperature holding is generally satisfactory.
- It maybe necessary to seal or prime some substrates prior to bonding.
- (a) Most porous or fibrous materials (e.g. wood) will require sealing to provide a uniform surface.
  - (b) Some materials (e.g. copper, brass) will require priming or coating to prevent interaction between the adhesive and substrate.

**NOTE:**

- Suggested applications are based on known uses of this product. It is recommended that adequate testing be carried out to ensure satisfaction in a particular application.
- Information contained herein relates to product that is currently available. From time to time constructions may be altered, which may result in variation from this information□