AGM TP400
Low density, high performance thermal paste adhesive

**PRODUCT DESCRIPTION**
A high thermal conductivity epoxy paste adhesive, with a low cured resin density and very good mechanical performance. AGM TP400 is a two part epoxy system with a higher viscosity, specifically designed for use as a thermally conductive bonding adhesive on Satellite and Space applications.

**PRODUCT DESCRIPTION**
- High thermal conductivity
- Low cured resin density
- Low outgassing
- Good adhesion and lap shear properties
- Easy to mix and apply
- Room temperature cure
- Cost competitive
- Long shelf life (12 months)

**PRODUCT INFORMATION**
2 Part Epoxy
- Part A: TP400R (epoxy)
- Part B: TP400H (amine hardener)

**Appearance**
- TP400R: Dark grey
- TP400H: Clear liquid

**Viscosity**
- TP400R: Thick paste
- TP400H: 30mPa.s @ 20°C

**Mix Ratio**
100 : 16

**Kit Size**
- TP400R: 250g / 5.0kg
- TP400H: 40g / 0.8kg

**Curing Time (5°C to 25°C)**
4 days
(For alternative conditions, contact AGM)

**Appearance (Cured)**
Dark grey

**Density (Cured) (g/ml)**
1.30-1.42
(ISO 1183-1 Method B)

**Lap Shear Strength (MPa)**
> 5
(ASTM D1002)

**Thermal Conductivity (W/m-K)**
> 5
(Modified MLP1201)

**Shelf Life**
12 months
MIXING INSTRUCTIONS

Weigh out the required amount of TP400R. TP400H should be added at 16 parts per 100 parts of TP400R and mixed thoroughly until there is no streaking apparent and the TP400H is fully incorporated to create a homogeneous paste.

NB. If it is to be used as an additive to other material formulations, please contact AGM Technical Staff for further information as particle stability and mixing instructions may change.

STORAGE

Store in ambient conditions for up to 12 months. Dispersion may show slight sedimentation during transportation or storage. User may need to re-agitate by mixing thoroughly with spatula, palette knife or mechanical stirrer before use.

Product should be stored at room temperature in the original containers kept tightly closed. Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container sealed until ready for use.

SAFETY

Wear appropriate PPE. Use the minimum quantity of product required for a particular process. Use only in well-ventilated areas, preferably in an enclosed system. Provide appropriate exhaust ventilation at places where aerosols/dust may be formed. Handle and open container with care. Keep in the original container or an approved alternative made from a compatible material. Always close containers tightly after removal of the product. Empty containers retain product residue and can be hazardous. Do not re-use container. Dispose of materials in accordance with local regulations. Safety Data Sheet available on request.