

Advanced Materials**RenPaste[®] /Ren[®] 1257-3**

NON-METALLIC FILLED PASTE
NON-METALLIC, INORGANIC FILLED FAIRING COMPOUND

DESCRIPTION :

RenPaste[®] /Ren[®] 1257-3 is a highly filled, two-part epoxy paste system containing non-metallic, inorganic fillers. The hardener and resin are of different colors to insure complete mixing. The material is a uniform blue color when completely mixed.

USES :

RenPaste[®] /Ren[®] 1257-3 is excellent for fairing conventional aerodynamic surfaces. This system has a history of excellent performance as a fairing compound. It is widely used by major aircraft manufacturers for flyaway and prototype wind-tunnel applications.

RenPaste[®] /Ren[®] 1257-3 is excellent for potting bushings and bonding applications, and for building nesting fixtures. The versatility of this material has developed many new applications since its introduction.

ADVANTAGES :

- **EAST TO HANDLE** – RenPaste[®] /Ren[®] 1257-3 is of a creamy consistency and is very easy to mix and to apply with a spatula, putty knife or any conventional tool.
- **ACCEPTABLE Ph factor** – This system gives an almost neutral pH value.
- **NO ELECTROLYTIC CORROSION** – The RenPaste[®] /Ren[®] 1257-3 system was designed to eliminate electrolytic corrosion when used in contact with metallic substrates.
- **COLOR CODED** – The different colored hardener and resin insure complete mixing. When all of the streaks have disappeared and a uniform color is obtained, the material is completely mixed and ready to use.
- **EXCELLENT SANDABILITY** – RenPaste[®] /Ren[®] 1257-3 can be easily sanded.
- **ADHESION** – The adhesive properties of RenPaste[®] /Ren[®] 1257-3 are excellent and typical of the superior bonding which can be accomplished with epoxies.
- **GOOD SAG RESISTANCE** – Due to its paste consistency, RenPaste[®] /Ren[®] 1257-3 will hang up to ¼" on a vertical surface.
- **EASY MIXING RATIO** – The resin-hardener mixing ratio for RenPaste[®] /Ren[®] 1257-3 is one-to-one, both by weight and volume. This assures easier proportioning and mixing, since the ration is less critical than many epoxy systems.

TYPICAL PROPERTIES :

Property	Resin	Hardener
Color and Form	White paste	Blue paste
Sag Resistance @ 25 °C (77 °F)	Pass 1/4" Fail 3/8"	Pass 1/4" Fail 3/8"
Special Gravity @ 25 °C/25 °C	1.71	1.71
Flash Point Closed Cup	250 °F +	250 °F +

TYPICAL MIXED PROPERTIES :

100 : 100 by weight or volume

Color and Form

Sag Resistance @ 25 °F

Pot Life @ 25 °C (4fl. oz.)

Cured pH

Lap Shear Strength @ 25 ° (1)

Compressive Strength – ultimate @ 25 °C (2)

Flexural Strength – ultimate @ 25 °C (3)

Tensile Strength – ultimate @ 25 °C (4)

Volumetric Weight Ratio

Blue Paste

Pass 1/4¼" – Fail 3/8"

30 minutes

8.9

2,130 psi

13,000 psi

6,000 psi

3,980 psi

15.7 cu-in/lb.

(1) Aluminum adherends etched per ASTM D-2651 and tested per ASTM D-1002 – cured 24 hrs. @ 25 °C

(2) Tested per ASTM D-695

(3) Tested per ASTM D-790

(4) Tested per ASTM D-638

HANDLING :**RenPaste® 1257-3 Resin**

This product may crystallize upon storage. If crystallized, vent container and heat to 125 – 145 °F until crystals dissolve. Stir well after product has liquefied.

RenPaste® /Ren® 1257-3 Resin and Hardener

Work in a well ventilated area and use clean, dry tools for mixing and applying. For two component system, combine the resin and hardener according to mix ration. Mix together thoroughly and use immediately after mixing. Material temperature should not be below 65 °F (18 °C) when mixing.

STORAGE :

RenPaste® /Ren® 1257-3 should be stored in a dry place, in the sealed original container, at temperatures between +2°C and +40°C (+35.6°F and 104°F). Under these storage conditions, the shelf life is 2 years. The product should not be exposed to direct sunlight.

PRECAUTIONARY STATEMENT :

Huntsman Advanced Materials Americas LLC maintains up-to-date Material Safety Data Sheets (MSDS) on all of its products. These sheets contain pertinent information that you may need to protect your employees and customers against any known health or safety hazards associated with our products. Users should review the latest MSDS to determine possible health hazards and appropriate precautions to implement prior to using this material.

First Aid!

Refer to MSDS as mentioned above.

**KEEP OUT OF REACH OF CHILDREN
FOR PROFESSIONAL**

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