

Advanced Materials**RenLam[®] LV 573-2 / Ren[®] HY 2959**

LAMINATING PASTE
GLASS-FIBRE REINFORCED, EPOXY BACKING SYSTEM

KEY PROPERTIES

- Formulated to back RenGel[®] gelcoats
- Eliminates the time-consuming laying up of numerous sheets of glass cloth
- Laminated shell structures up to 20 mm thick can be built up in a single operation
- Very good dimensional stability
- High rigidity coupled with low weight
- Cures at room temperature

APPLICATIONS

- Construction of jigs and fixtures
- Foundry patterns and foam moulds
- Stiffening and jointing of spotting aids

PRODUCT DATA

| Property | Unit | RenLam [®] LV 573-2 | Ren [®] HY 2959 |
|-------------------|-------------------|------------------------------|--------------------------|
| Appearance Colour | visual | Fibrous paste Grey | Liquid Blue |
| Density | g/cm ³ | - | 0.95 – 1.0 |

PROCESSING

| Mix ratio | Parts by weight |
|------------------------------|-----------------|
| RenLam [®] LV 573-2 | 100 |
| Ren [®] HY 2959 | 15 |

Mix the two components thoroughly in the ratio indicated until the mixture has a homogenous colour. Mixing can be done manually or by using a planetary/kneader/dough mixer. Do not use a mixer on a drilling machine.
To produce layers of controlled thickness, roll out between spacers onto polythene, and apply as a layer. Post-curing will improve final properties.

PROPERTIES

| Resin/Hardener mix: | Volume | Unit | LV 573-2 HY 2959 |
|----------------------|---------|------|---------------------|
| Appearance | | | Blue-Grey |
| Pot life at 25°C | 1000 ml | min | 45 - 60 |
| Max. Layer thickness | | mm | 20 |
| Demoulding time | | h | 20 - 24 |

After cure: 7 days at RT

| | | | |
|----------------------------------|-----------|----------------------------------|-------------|
| Density | ISO 1183 | g/cm ³ | 1.1 – 1.2 |
| Coefficient of thermal expansion | ISO 11359 | 10 ⁻⁶ k ⁻¹ | 38 |
| Deflection temperature | ISO 75 | °C | 40 - 45 |
| Flexural strength | ISO 178 | MPa | 37- 41 |
| Linear shrinkage | | mm/m | 0.02 – 0.04 |

STORAGE

The resin and hardeners described in this instruction sheet have the shelf lives shown provided they are stored at 6 - 28°C in a dry place and sealed containers, preferably those in which they are supplied.

**WORKING
CONDITIONS**

The product should be used when in the temperature range 18-25oC.

PACKAGING

| System | LV 573-2 | HY 2959 |
|---------------------|----------|----------|
| Quantity and Weight | 3 x 10kg | 6 x 750g |

**HANDLING
PRECAUTIONS****Caution**

Our products are generally quite harmless to handle provided that certain precautions normally taken when handling chemicals are observed. The uncured materials must not, for instance, be allowed to come into contact with foodstuffs or food utensils, and measures should be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The wearing of impervious rubber or plastic gloves will normally be necessary; likewise the use of eye protection. The skin should be thoroughly cleansed at the end of each working period by washing with soap and warm water. The use of solvents is to be avoided. Disposable paper - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. These precautions are described in greater detail in the Material Safety Data sheets for the individual products and should be referred to for fuller information.

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Main Office :
Huntsman Advanced Materials (Switzerland) GmbH
Klybeckstrasse 200
CH-4057 BASEL
Switzerland
+41 61 966 3333