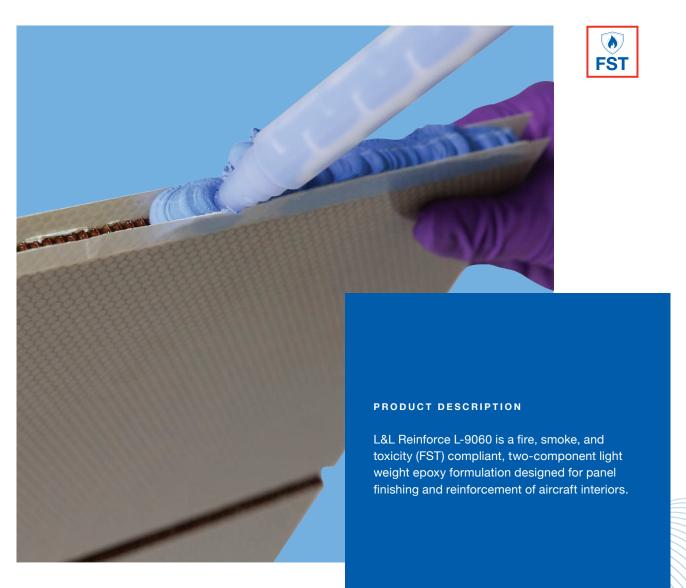




SOLUTIONL&L Reinforce

VERSION
September 2021

L-9060 FST Aircraft interior edge & core filler compound.





Key Product Attributes

- Cures quickly at room temperature to maximize production efficiency
- REACH compliant, does not contain any CMR substances and is very low odor
- Can be used in honeycomb sandwich structures typically found in aircraft interiors for void-filling and edge sealing.
- Compliant to vertical burn, smoke density and smoke toxicity accordingly to FAR & JAR 25 853 and Airbus ABD0031
- Material is supplied in 400ml cartridges or pails for use with bulk pumping equipment.

Technical Data

The following information and data should be considered typical and should not be used for specification.

| | | L-9060 Part A | L-9060 Part B | Mixed |
|-----------------------|--|-------------------------------|-------------------------------|-------------------------------|
| Physical Properties | Chemistry | Formulated epoxy | Formulated amine | - |
| | Consistency | Smooth paste | Smooth paste | Thixotropic paste |
| | Color | Light blue | Off-White | Light blue |
| | Density | 0.55 - 0.59 g/cm ³ | 0.55 - 0.59 g/cm ³ | 0.55 - 0.59 g/cm ³ |
| | Mix ratio (weight) | | 100: 50 | |
| | Mix ratio (volume) | | 2:1 | |
| | | Test Temperature | Value | |
| | Extrusion rate in cartridge (6 bars pneumatic gun) | 23°C | 52 g/min | |
| | Max Life-Time in Nozzle | 23°C | 20 min | |
| | Working time (spreading time with spatula) | 23°C | 70 min | |
| | Sanding time | 23°C | 180 min | |
| | Full cure-time | 23°C | 24 hours | |
| | Shore D hardness after full cure | 23°C | 50 Shore D | |
| | | Cure Conditions | Value | Test Methods |
| Mechanical Properties | Compressive strength at -55°C | 5 days 23°C | 22 MPa | ISO 604 |
| | Compressive strength at 23°C | 5 days 23°C | 14 MPa | ISO 604 |
| | Compressive strength at 80°C | 5 days 23°C | 6 MPa | ISO 604 |
| | Compressive modulus at 23°C | 5 days 23°C | 420 MPa | ISO 604 |
| | Shear Strength | 23°C | 2000 N | AITM 1-00046 |
| | Ageing tests | Test Temperature | Value | Test Methods |
| | Compressive strength after 1000 h 70°C 85% RH | 23°C | 14 MPa | ISO 604 |
| | Water absorption after 1000 h 70°C 85 % RH | 23°C | 2% | PR EN 3615 |
| | Compressive strength after 500 h 80°C dry | 23°C | 19 MPa | ISO 604 |
| | Compressive strength after 500 h in water at RT | 23°C | 11 MPa | ISO 604 |
| | Absorption after 500 h in water at RT | 23°C | 2.8% | PR EN 3615 |



Technical Data

| | | | Requirements | Results | Test Methods |
|--|---------------------------|-----------------------------------|--------------|----------|--------------------|
| Fire Properties 6.35 mm thick coupons | Flammability 12s vertical | Burn length | < 203 mm | 30 mm | – AITM 2.0002 B |
| | | After flame | < 15 s | 2 s | |
| | | Drips time | < 6 s | No drips | |
| | Optical smoke density | | 200 Ds max | 106 Ds | AITM 2.0007 A |
| | Smoke toxicity | HF | < 100 ppm | 0 ppm | AITM 3.0005 |
| | | HCI | < 150 ppm | 0 ppm | |
| | | HCN | < 1000 ppm | 15 ppm | |
| | | SO ₂ +H ₂ S | < 100 ppm | 2 ppm | |
| | | CO | < 1000 ppm | 210 ppm | |
| | | NO _x | < 100 ppm | 90 ppm | |

Product Application

L&L L-9060 should be applied in a temperature range between 20°C and 25°C.

The two components can be mixed and applied directly from the cartridge using a static mixer. L-9060 can also be used with bulk pumping and mixing equipment.

When using a cartridge, the first quantity extruded out of the nozzle should be scrapped until the color is uniform.

Once applied on the panel edge, L-9060 bead can be smoothed with a spatula for approximately 70 min. It can be sanded after 3 hours. The full cure time is reached after 24h at 23°C.

Shelf Life & Storage Conditions

Shelf life: 18 months from date of manufacture when stored at or below 23°C (73°F).

Health & Safety

Consult product specific Safety Data Sheet.

All of our products are developed with REACH compliance substances and not CMR classified.