



DATA SHEET

Fortafix High Temperature Adhesives

L7 –FORTAFIX HIGH TEMPERATURE FIXATIVE/THINNER

- Clear water based high temperature resistant general purpose fixative.
- Designed for use as a clear glassy transparent adhesive in light film applications.
- Can also be used to reduce the viscosity of other Fortafix High Temperature adhesives.
- A maximum continuous operating temperature of 800°C.

Typically Used For

- Fixing, Bonding, Assembling, Repairing – glass items and ceramics.
- High temperature thinner for Fortafix High Temperature Adhesive - all Grades

Principal Characteristics

- Suitable for Thin films/ Coating and Bonding.
- Maximum Continuous Service Temperature: 800°C.
- Available as a clear liquid.
- Can be re-dissolved at high pH and temperature
- Ready to use.

Relative Viscosity	70 cP @ 20°C Spindle 3 Speed 10	Wet Density	1.41 g/cm ⁻³	Softening Temperature	700°C
Melting Temperature	800°C	Thermal conductivity	1-2 W.m ⁻¹ .K ⁻¹	Packaging	250ml, 1,5 and 25 L
Solids by weight	38.5%	pH	13	Volume Resistivity Ω-cm	>10 ⁷
Oxidation Resistance	Excellent	Acid Resistance	Excellent – Except hydrofluoric	Thermal Expansion X 10⁻⁶ per °C	5 @ 100°C 30 @300°C

Health and Safety / Environmental Information

- See separate MSDS sheet. (MSDS: L7 – High Temperature Fixative/Thinner).
- RoHS Compliant.

Guidelines for Use

Application

- Stir/shake contents of the container prior to use, to ensure product is thoroughly mixed.
- Thoroughly clean and degrease all surfaces to be bonded or sealed.
- A light surface abrasion of the material to be bonded will increase the surface area available for adhesion and improve mechanical key.
- Apply the sealant as supplied to all surfaces to be bonded and complete tooling within 5-10 minutes.
- Apply moderate pressure to ensure even anchorage and solid contact of the surfaces to be bonded, so that all surfaces are fully wetted.
- Secure components and allow the adhesive to set.
- All application equipment should be cleaned with warm water immediately after application.

Curing Schedule

- As this product is water based, it is necessary to fully dry and dehydrate the adhesive.
- The curing of this product may vary depending on temperature, humidity, porosity of substrates, volume of adhesive and area etc.
- A rough guide for typical applications at room temperature and average humidity would be approximately 36-48 hours.
- Curing may be accelerated by the application of gentle and progressive heat (do not exceed 100°C during curing as this may lead to product failure).
- The cured product may be removed using steam/ boiling water (high pH will also aid removal).

Storage

- Once opened this product is moisture sensitive avoid continuous exposure to air.
- Product should be stored in original packaging between 5 - 30°C.
- Shelf life - 12 months.