Technical Data Sheet

Loctite Kintsuglue

Technical Data Sheet
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CHARACTERISTICS

- 1 component moisture curing putty adhesive, based on silane modified polymers.
- Easy to knead
- Flexible, shock resistant
- Odour free
- No shrinkage, gap-filling and crack-bridging
- Overpaintable (water based paints only)
- Temperature, water and UV resistant
- For indoor and outdoor use
- Glues most materials
- Silicone free
- Available in black and white

APPLICATION FIELD

- For DIY repair, craft and modelling work in and around the house
- For producing decorative objects.
- Ideal for filling and rebuilding repair jobs
- Glues many materials like aluminium, concrete, tiles, glass, wood, ceramic, cork, metals**, glass-fibre reinforced polyester and other plastics, textiles, paper, cardboard, polycarbonate, polystyrene foam (Styrofoam®), natural stone…
- Thanks to its rubbery nature it is perfect for protecting sharp edges or corners or as anti-shock shield.

**Before application, carry out tests to ensure the compatibility of Kintsuglue with non-ferrous metals such as copper, bronze and brass.

Not recommended for:

- polyethylene (PE), polypropylene (PP), polytetrafluoro-ethylene (PTFE) (Teflon®).
- For applications with long term high temperature exposure.
- For direct food or beverage contact repair jobs

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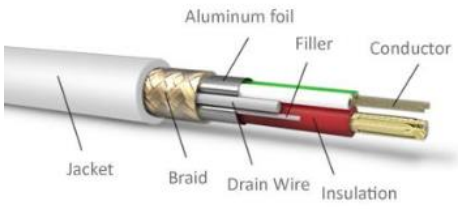
- For repairs to devices working with voltages higher than 24V (alternant or direct current).
- **Be careful with electricity**! Not suitable for electrical repairs, Kintsuglue is NOT an insulator! Only use it as mechanical reinforcement of the external cable jacket. So please **ensure interlayers of cables are not electrically damaged**. Kintsuglue is only suitable for reinforcement/ protection of USB, headphone and media cables. DO NOT use on cables operating at voltages higher than 5 volts and currents higher than 2.5 amps.

Example of USB cable components:
Please make sure braid and further cable components are not damaged!



INSTRUCTIONS FOR USE

Pretreatment of surfaces
The surfaces to be joined must be clean and free of grease and dust. If necessary, vacuum the surfaces and clean them with a solvent (e.g. white spirit, methylated spirit, alcohol). Completely remove old adhesive and sealant residues, loose or flaking paint and varnish. If necessary, protect adjoining areas by masking them off with films or adhesive tapes.

Getting Started:
Please make sure your hands are clean and free from grease or creams before kneading Kintsuglue, otherwise it will negatively affect the strength and adhesion of the glue.
Tear or cut the package right next to the sealed edge.
Please remember the product reacts with the moisture in the environment so once the package is open you should finish your application within the next 30 minutes.
Take the quantity of Kintsuglue you need and knead it for at least 10 seconds, the longer you knead the softer and tackier it will become and the easier to apply in thinner layers, if needed.

Glue:

Apply the kneaded putty mass to one of the surfaces to be bonded. Bring parts together, align and apply firm pressure to ensure full contact of the Kintsuglue mass with the pieces. In general clamping is not necessary but can help during curing to ensure good adhesion of bonded items.

If parts to be joined are in the vertical position, initial fixing could be needed depending on their weight. Join and press the parts firmly after applying the adhesive and secure them with adhesive tape or a screw clamp. For gluing heavier objects at least 24 hours fixing is recommended.

Since Kintsuglue cures by absorbing moisture from the environment, it must be ensured for all applications that moisture – either from the ambient air (air humidity / water vapour) or dampness from the substrate[#] – can reach the bonded area to diffuse into the adhesive.

[#]Not suitable for bonding wet surfaces.

Fill and rebuild:
After kneading fill the crack or hole or mould the desired shape within the next 30 minutes. You can cut the excess of putty mass with a knife before it hardens. You can also smooth the surface with your fingertip. Leave to cure. Once cured the hard Kintsuglue can be cut or painted.

Important information:
Kintsuglue can also flexibly fill and bridge gaps, please note that strength decreases the thicker the glue film.

TECHNICAL DATA

Composition	Silane-curing polymer
Density	1.86 g/cm^3 at 25°C
Available colours	White
Application temperature	5°C to +40°C
Open time	30 min depending on temperature and humidity
Curing time	2.5-3 mm in the first 24h. depending on temperature, humidity and glued surface exposure to ambient.
Shore A	70
Temperature resistance	-40°C to +120°C (short-term exposure)
Lapshear strength according to DIN EN 205	1-3 N/mm² (depends on material and glue film thickness)
Specific electrical resistivity (DIN IEC 60093)	4.53*10^7 (Ω*m)
Specific electrical conductivity (DIN IEC 60093)	2,21*10^{-8} (S/m)
Shelf Life	At least 18 months unopened (cool and dry place)

LIMITATIONS

Cleaning your fingers

The best way to remove residual material on your fingers is to firmly wipe it off with a DRY tissue, for example kitchen roll or old fabric scraps.

Cleaning tools

As long as the adhesive is fresh you can wipe it off just as explained above for your fingers by means of a dry tissue, alternatively you can clean the tools immediately after use with methylated spirit or white spirit.

Storage

Store the product tightly closed in a cool and dry place.

HEALTH AND SAFETY

Before using the product please see related Material Safety Data Sheet that is available on www.mymsds.henkel.com or upon request.
Kintsuglue has been classified as non-hazardous according to the current Dangerous Preparations Directive. Nevertheless please make sure to observe the safety measures specified in the Safety Data Sheet.

DISPOSAL

Fully dried product residues can be disposed of as domestic waste.

Henkel Norden AB
Box 151 22
Gustavslundsvägen 151A
SE-167 15 Bromma, Sweden