

## Sugru® by tesa – 41231 - 41237, 41281 - 41287

1-RTV (room temperature vulcanising) moisture-activated, hand mouldable glue that turns into a flexible silicone rubber.

### Main Applications

- Sugru® hand mouldable glue is suitable for durable repairs, gap-filling, non-drilling mounting and cable reinforcing applications. Holds its shape while curing, non shrinking, for complex irregular shapes and customised designs. Minimal mess and skin safe.
- Long-lasting and flexible bonding to glass, ceramic, wood, metal and most plastics. Suitable for indoor and outdoor use and many applications requiring waterproof properties.

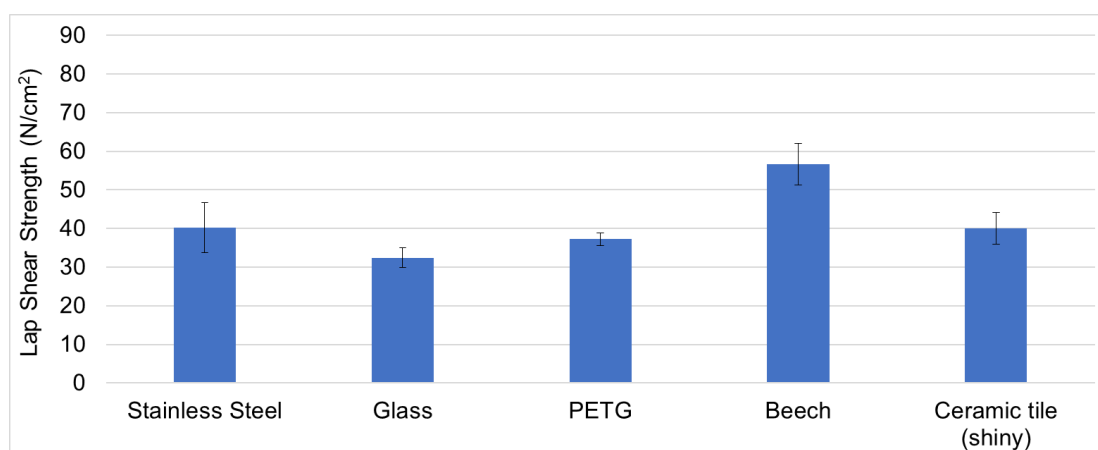
#### For optimum results:

- Preparation: The surface to be bonded should be clean and dry. Remove dust from the surface using a dust-free cloth or an alcohol wet wipe.
- Application: Open the pack and use Sugru® within 30 min. Simply stick it, mould it by hand, and in 12-24 hrs it turns into a flexible silicone rubber.
- Removal: Remove Sugru® from non-porous surfaces by cutting off the bulk of the Sugru® using a knife or scalpel. You can then remove the residue with your nail and some tissue.

#### Please note:

- Cure time is influenced by the area of Sugru® which is exposed to the air, volume of Sugru®, air temperature and humidity. Warmer and more humid air will increase the cure rate. Thicker applications may take longer to cure so for heavy load bearing projects or where the exposure of Sugru® to air is limited, e.g. squashed between two surfaces, allow 48 hrs to set and test first.
- Store in a dry and cool place. To extend shelf-life store unopened packs in the fridge (or freezer).
- Suitable only for small consumer electronic repairs with low voltage and low current (up to 24 volts).
- Not recommended for bonding to oily plastics such as PE, PP and Teflon.
- After use, remove any Sugru® residues from skin using paper towel then wash your hands with warm water and soap.

### Adhesion Properties



The graph was generated by testing Sugru® on a range of materials according to ASTM D 1002. Samples of lap shear joints with 2 mm thickness, 25.4 mm width and 12.7 mm overlap were tested after 24 hrs curing at 25°C and 50% relative humidity.

For further information contact [technical@sugru.com](mailto:technical@sugru.com) or visit <http://www.sugru.com> or <http://www.tesa.com/consumer>  
tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All technical information and data above mentioned are provided to the best of our knowledge on the basis of our practical experience. They shall be considered as average values and are not appropriate for a specification. Therefore tesa SE can make no warranties, expressed or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. The user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

## Technical Data & Properties

<b>Consistency</b>	Putty-like adhesive that turns into a flexible rubber after exposure to air.
<b>Working Time</b>	30 min at room conditions (25°C and 50% relative humidity).
<b>Cure Time</b>	Approximately 24 hr cure for the first 3 mm of depth at 25°C and 50% relative humidity, e.g. 1.5 mm cures in ~ 12 hrs, 3 mm cures in ~ 24 hrs.
<b>Shelf-Life</b>	22 month shelf-life from the date of manufacture when stored at room conditions in original unopened packaging.
<b>Colour</b>	Supplied in 10 different colours. When uncured the colours can be mixed just like paint to make any colour; knead together thoroughly for a uniform colour.
<b>UV Resistance</b>	Equivalent to 5 years real-life weather exposure (UV – visible and infrared radiation) – according to Florida test ISO 4892.
<b>Temperature Resistance</b>	Between -40°C (-40°F) and 180°C (356°F) . Tested for at least 10 x 8 hrs cycles.
<b>Water Resistance</b>	Very good. 1 mm cured sheet can withstand liquid (tap water) up to a pressure of 12 PSI at room conditions.
<b>Dielectric Strength</b>	13.5 ± 0.8 kV/mm according to ASTM D149-09 (2013) Method A, Short-Time Test.
<b>Elongation at Fracture</b>	160 – 260 % according to ASTM D 638 when cured for 24 hrs at 25°C and 50% relative humidity.

## Additional Information & Pictures



41231 - 41237	3 x 3.5g single use packs
41281 - 41287	8 x 3.5g single-use packs

For further information contact [technical@sugru.com](mailto:technical@sugru.com) or visit <http://www.sugru.com> or <http://www.tesa.com/consumer>  
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