

## DESCRIPTION

The PERMACOL 2177 A/B is a 2-component epoxy casting resin. This product is a tough elastic, which gives it the property to absorb a difference in expansion. A few of the applications in which this adhesive is used are casting electrical connections and components, as protective layer on plastics or as dip material.

This adhesive cures at room temperature, so full cure takes place at 20°C. The curing time will increase at temperatures below 20°C.

Technical details	
Mixing ratio	A : B = 100 : 15 (weight)
Pot life	2 hrs at 20°C
Cure time	ca. 24 hrs at 20°C
Final strength after	ca. 24 hrs at 20°C
Viscosity mixture	1.400 mPa.s at 23°C
Colour	Black
Temperature resistance	-30°C up to +130°C
Hardness	45 shore D
Density	1,55 g/ml
Thermal conductivity	0,5 W/m.K
Glass transition (Tg)	52°C
CTE below Tg	57 ppm/°C
CTE above Tg	127 ppm/°C

## USAGE INSTRUCTIONS

Make sure the substrates are clean and free from dust, water, grease, fingerprints, oil, etc. Weight the components and mix in advised mixing ratio. Stir steady and equable until a homogenous product arises. Perhaps under reduced pressure to avoid air bubbles.

## BENEFITS

- Tough elastic
- Good resistance to water, thin acids, bases and oil
- Suitable for casting electronics
- Good temperature resistance
- Gap filling
- RoHS and REACH compliant

## CLEANING

Uncured adhesive can be removed and cleaned by means of solvents as Ethanol, Acetone, Isopropanol (IPA) or MEK. Cured adhesives must be removed mechanically.

## STORAGE

Store in its original packaging frost free and dry. See packaging for the expiration date. Shelf life: 12 months.

## SAFETY

Use protective gloves to avoid direct contact with the skin. Check the Material Safety Data Sheet for specific safety information.

## PACKAGING

The PERMACOL 2177 A/B is available in different kinds of sizes

## Legal Disclaimer

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