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**SHIMICOAT**  
SURFACE SOLUTIONS



# Epoxy Putty

## Fast Cure

### *An Application Guide*

#### Direction / Epoxy Putty

Epoxy Putty is a multipurpose product for use in marine constructions and industrial applications. It is suitable for making elastic, vibration-resistant joint seals, in both interior and exterior surfaces.

Epoxy Putty bonds well to most marine and industrial surfaces such as concrete, bricks, tiles, wood, metals, ceramic materials, plastics and epoxy coatings.

Epoxy Putty must not be used to seal plastics that are prone to stress cracking (Plexiglas, Polycarbonate, etc.).

Once cured, SHIMICOAT Epoxy Putty can easily be sanded as required.

We recommend test with actual substrates and conditions have to be performed to ensure adhesion and material compatibilities.

#### **SURFACE PREPARATION**

- Sand the surface with 80 or 120grit sandpaper prior to commencement of Epoxy application. Ice Bath walls can be sanded manually to avoid any damage to the surface.
- For corners and those hard-to-reach surfaces, you may consider using wire brush with extra care to ensure no damage on walls.
- Remove all loose surface materials including any possible rust or corrosion.
- After sanding, wipe the entire surface with Xylene, Acetone or IPA (Isopropyl Alcohol) using a microfiber cleaning cloth. Solvents should not be in contact with skin, please use PPE as advised on MSDS of the product used.

All surfaces to be filled should be free from oil, grease and other contamination including residual body oils and sunscreen residues. Particularly on steps and around waterline. Calcite residues and general laitance on concrete, render and soft flaky materials should be removed by mechanical abrading or acid etching. Remove any dust from grinding or sanding. Metal surfaces should be mechanically abraded or grit blasted. Allow to dry to a good visual standard.

 MATERIALS  CHEMICALS  RESINS  EQUIPMENT

Ph: (08) 9364 7446 | [info@shimi.com.au](mailto:info@shimi.com.au) | ABN: 28 622 871 283 | [www.shimi.com.au](http://www.shimi.com.au)

**MIXING:**

Ensure that the temperature of both components and substrate exceeds 15°C. Ideal temperature range is 15 - 20°C. Mix Four (4) portion of PART A with One (1) portion of PART B in a clean plastic or metal container. Mix thoroughly until an even colour result across the whole quantity. Use product immediately.

Mix only as much product as can be used within 30 minutes.

Use a clean separate spatula for each component (PART A and PART B) and again another one for mixing. Cross contamination can trigger the product in the pot to cure prematurely.

**Curing Times**

**DRY TIME/RECOAT TIME/FULL CURE:**

Normally touch dry within 2 hours. Epoxy coating can be commenced any time after Epoxy Putty application. Ideally, we recommend after 2 hours. Full cure is obtained after 72 hours at 25°C and 50% Relative Humidity. Curing may be faster at higher temperature and humidity.

Temp °C	Pot Life (min)	Surface Dry (Hours)	Initial Cure (Hours)	Recoat Time (Hours)	Fully Cured (Days)
10°C	20	3	4	3	7 Days
20°C	15	2	3	2	7 Days
30°C	10	1	2	1	7 Days

**CLEAN-UP:**

Use SHIMICOAT EpoDil, Xylene, IPA or Acetone to clean all equipment and tools immediately after use.

**APPLICATION:**

By trowel, spreader blade, spatula or similar. Fill proud, i.e. over fill the hole or crack. Then, using coarse paper, sand back flush to surface. Remove all dust prior to painting, if necessary, sand to smoothen the finish surface.

**WARNING**

- The product is Fast Cure, once mixed, apply to the surface within 15min.

**Storage**

The products shall be stored out of direct sunlight and heat. The shelf life of the product is 24 months, mix individual components uniformly for 3 minutes prior to use to avoid any possible settlement/precipitation and ensure uniformity of your product.

**DISCLAIMER**

Material Safety Data Sheet, Technical and Environmental Data Sheet can be provided upon request.

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