

# PRO REPAIR MORTAR



## Commercial Product Data Sheet

### Product Description

Pro Repair Mortar is a high density, multi-component, fast curing, PMMA resin-based mortar. Pro Repair Mortar consists of Pro Repair Resin, a specially formulated PMMA resin, and Pro Repair Filler, a specially designed aggregate, which contains the required proportion of Pro Catalyst. Pro Repair Mortar is applied by trowel.

### Product Uses

Pro Repair Mortar is used for remediation of depressions in substrate surfaces or other surface irregularities prior to application of the Parapro Roof Membrane System, Terapro Waterproofing and Surfacing Systems, and Terapro VTS Systems. Contact the Siplast Technical Department for other approved uses.

### Color

Pro Repair Mortar is supplied in a concrete gray color.

### Packaging

Pro Repair Mortar is provided in a convenient 6.5-gallon pail that contains both the Pro Repair Resin and Pro Repair Filler components. The pail also serves a secondary function as a mixing vessel.

Total Weight: 25 kg (55 lb)  
Filler Weight: 20 kg (44 lb)  
Resin Weight: 2.25 kg (5 lb)

### Coverage Rates/Yield

A unit of Pro Repair Mortar yields approximately 4 board feet (4 square feet at a 1-inch thickness) (2.20 kg/mm<sup>2</sup>).

Minimum thickness: 3/16 inch (5 mm)  
Maximum thickness: 2 inches (50 mm)

Total thicknesses greater than 50 mm (2 inches) can be achieved by applying Pro Repair Mortar in layers (lifts) after the previous layer has cured.

### Application Conditions

All substrates must be free from gross irregularities, loose material, unsound material, foreign material (such as dirt, ice, snow, water, grease, oil, release agents, lacquers, paint coverings), or any other condition that would be detrimental to the adhesion of the Pro Repair Mortar to the substrate. Some surfaces may require scarifying, sandblasting, or grinding to achieve a suitable substrate. Pro Prep is recommended for removal of grease, oils, etc. Concrete substrates require priming with Pro Primer W prior to application of Pro Repair Mortar.

Pro Repair Mortar can be applied when the ambient temperature is between 32°F (0°C) and 95°F (35°C) and the substrate temperature is between 32°F (0°C) and 122°F (50°C). Discontinue Pro Repair Mortar application when ambient or substrate temperatures exceed the maximums noted above, or provide adequate shade to the substrate area for up to one hour prior to and during application as necessary to maintain ambient and surface temperatures below the maximums.

### Handling

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink, or smoke in the application area. Consult the Material Safety Data Sheet for additional information pertaining to this product.

### Storage

Product shelf life is approximately 6 months from ship date. Shelf life will be reduced if product is stored at temperatures above 77°F (25°C). Store indoors in a closed container in a well-ventilated, cool, dry area away from heat, open fire, any ignition source, direct sunlight, oxidizing agents, strong acids, and strong alkalis. Do not store in temperatures below 32°F (0°C). Product may auto-polymerize at temperatures greater than 140°F (60°C). Minimum Flash Point is 50°F (10°C). Materials stored on the job site during application should be kept on a pallet in a shaded, well-ventilated area. In unshaded areas, materials should be covered with a white, reflective tarp in a manner that allows air circulation underneath the tarp.

### Personal Protection Equipment (PPE)

Workers must wear a long sleeved shirt with long pants and work boots. Workers must use only butyl rubber or nitrile gloves when mixing or applying this product. Safety glasses with side shields are required for eye protection.

Use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. Specific type of respirator will depend of the airborne concentration. Filtering face piece or dust mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

### Mixing / Catalyzing

Remove the inner Pro Repair Resin pail and plastic liner tray. Carefully lift out the plastic bag containing the Pro Repair Filler and pour the entire amount of Pro Repair Resin into the empty 6.5-gallon Pro Repair Mortar pail. Using a hand-held power mixer (minimum 1/2-inch corded electric drill), stir the resin slowly while pouring Pro Repair Filler into the 6.5-gallon pail. Continue mixing until all the filler is wet, and a homogenous, trowelable consistency is achieved.

### Pot Life

Pro Repair Mortar pot life is approximately 15 minutes at 68°F (20°C). Because pot life is in part dependent on ambient temperature, which constantly changes, actual pot life must be determined in the field. Pot life will be reduced at high temperatures.

### Set Times

Minimum set times noted below are approximate, and may vary. The information provided is based on laboratory conditions, and is intended for use as a guideline only. Actual set times and cure times should be established in the field, based on actual field conditions.

Rain Proof at 68°F (20°C): Approximately 30 minutes  
Ready for Next Layer at 68°F (20°C): Approximately 45 minutes  
Stress Resistant at 68°F (20°C): Approximately 1 hour

### Tool Cleaning

When work is interrupted or completed, clean reusable tools with Pro Prep before catalyzed resin on the tools hardens.

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