

PolyBody Putty Heavy

Premium polyester body putty

PolyBody Putty Heavy is a heavy weight, smooth & creamy polyester putty, catalysed with BPO paste.

Intended Uses:

PolyBody Putty Heavy is a premium quality heavyweight autobody filler with superb spreading ability and workability.

The smooth & creamy formulation allows for easy application, clog free sanding, and a surface that is tack free & pinhole free.

PolyBody Putty Heavy will adhere well to most substrates - aluminium, steel, fibreglass, body filler, wood, 2K primers, aged-sanded OEM topcoats, galvanized and zinc coated steel.

Ideal for filling and repair work at thicknesses up to 7 mm. Typical uses include filling dents, scratches, dings, small holes, cracks, hail damage or other surface imperfections.

Properties:

- Easy to use product.
- Outstanding flow, ensuring an ultra-smooth surface.
- Excellent sand ability and feather edging.
- Excellent weathering resistance.
- Excellent adhesion to primed substrates and for subsequent coats.
- Tack free.
- Clog free.
- No shrinking.

Technical Data:

Colour	Gold
Components	2 (BPO paste as catalyst)
Catalyst Required	Benzoyl peroxide
Mixing Ratio (Weight)	1000 parts putty to 10 – 30 parts BPO • 1% in summer • 2% in between seasons • 3% in winter
Density	2 Kg/ Litre
Pot Life	3 – 8 minutes (Depending on ratio)
Typical Film Thickness	Up to 7mm
Tack Free Time	5 – 15 minutes (Depending on ratio)
Sanding Time	10 – 20 minutes (Depending on ratio)
Method of Application	Putty knife
Number of Coats	Check application procedure

Drying Information:

	0°C	5°C	10°C	20°C	30°C	40°C
Handling	-	-	-	15 min*	-	-
Sanding	-	-	-	15 min	-	-
Overcoating Data – See Limitations						
Substrate Temp.	0°C	5°C	10°C	20°C	30°C	40°C
Minimum	-	-	-	20 min*	-	-
Maximum	Extended*					

* See Specialized Coating Systems Definitions and Abbreviations.

* Dependent on temperature & catalyst addition.

Certifications:

Consult a Specialized Coating Systems technical representative for details.

Systems & Compatibility:

Consult a Specialized Coating Systems technical representative for coating system solutions.

Surface Preparation:

The performance of this product will depend upon the degree of surface preparation. The surface to be coated must be cleaned and free from contamination.

1. Clean surface to remove all dirt, oil, grease and wax with Silicon Remover, Hydrosolve Degreaser or Galvanized Iron Cleaner.
2. Make sure surface is completely dry before application.
3. Use 40 – 80 grit to abrade surface and feather edge painted surface for optimal adhesion.

Do not apply on solvent sensitive coatings such as nitrocellulose or wash primer.

In the case of previous primer application, consult with Specialized Coating Systems technical department for specific application solutions.

Application:

Mixing	• Base component is supplied in one full container. It needs to be mixed with 1 – 3% of BPO paste. • Always mix according to specified mixing ratio. Once mixed the product should be used within the pot life specified. • For best results, bring putty and catalyst (provided) to room temperature, minimum 23°C. • Stir the product well with a top bottom motion taking caution not to entrap air. Knead the hardener tube before use. • Place a 10 cm puddle of putty on a clean non-absorbent mixing board and dispense a ribbon of BPO Paste from edge to edge across the centre of the putty puddle or alternatively measure BPO paste at 1 – 3% by weight of body putty. • Mix thoroughly using a plastic spreader, using a folding motion to remove air, until mixture is uniform in colour. Product must be used before setting 3-8 minutes.
Pot Life	3 – 8 minutes @ 23°C & depending on catalyst additions.

Method	- Using a plastic spreader, apply a thin layer of putty to the substrate, using firm pressure for maximum adhesion. - Apply additional layers if necessary, building up damaged areas higher than surrounding metal surface to allow for flush sanding of filler. Mixed product must not be returned to can as it will harden the remaining contents.
Finish	- When material has cured, sand with 80 – 120 grit sandpaper. - Finish sand with 180 – 240 grit before topcoat. - Product may be topcoats with most topcoats, refer to topcoats TDS for application guidelines.

Environment:

	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	No lower limit
Maximum	40°C	45°C	85%

* Or 3°C above dew point

Limitations:

- Caution should be taken not to add more BPO than recommended. Over addition will result in bleeding through topcoat.
- This product is not recommended for use in continuous immersion conditions.
- Overcoating information is given for guidance only and is subject to local climate and environmental conditions. Consult a Specialized Coating Systems representative for specific recommendations.
- Technical and application data herein is for the purpose of establishing a general guideline of the coating application procedures.
- Test performance results were obtained in a controlled laboratory environment and Specialized Coating Systems makes no claim that the exhibited published test results, or any other tests, accurately represent results found in all field environments. As application, environmental and design factors can vary, due care should be exercised in the selection and verification of the performance and use of the coating.

Pack Size:

1 Kg, 2 Kg & 6 Kg.

Storage:

- Shelf Life: 24 months at 25°C from date of manufacture. Subject to inspection thereafter.
- Store in dry conditions out of direct sunlight, away from sources of heat or ignition.
- Store at temperatures between 5°C and 35°C.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.