



COSMOFER

2PK UNIVERSAL POLYESTER FILLER

PRODUCT DESCRIPTION

COSMOFER® is a 2-pack universal polyester filler that can be applied to multiple surfaces – wood, metal, stone, concrete, plastic etc. Quick drying and highly flexible COSMOFER® will not shrink or crack and when fully cured can be cut, screwed, drilled and tapped. Easy to sand, COSMOFER® is compatible with any single or two pack finish.

BASIC USES

- Horizontal and vertical surfaces.
- Ferrous and non-ferrous metals – Steel, Aluminium, Lead, Copper etc.
- Plastics – PVC, ABS, Polyester etc.
- Other substrates – Wood, Concrete, Fibreglass, Stone, Marble etc.

PROPERTIES

- True cold weld filler – Fills, Seals, Glues, Insulates, Levels irregular surfaces.
- Excellent adhesions
- Easy to use - Easy to sand.
- Adjustable drying time – Increase/Decrease quantity of hardener.
- Once hard, it can be mechanically machined, drilled, tapped, filed, ground, sawed, screwed, etc.
- Compatible with any single or two-pack finish.
- Heat (120°C), Vibrations and Chemical resistant.
- Highly elastic, does not crack or shrink, does not clog abrasives.

SIZES	USAGE
100g kit	Exterior
250g - 1kg	Interior

TECHNICAL DATA

Vehicle Type	Filler: Polyester Resin Hardener: Dibenzoyl Peroxide
Solvent Type	Filler: Styrene Monomer Hardener: Alkyl Benzoate
Specific Gravity	Filler: 1.90 +/-0.05 at 20°C Hardener: 1.25 at 25°C
Viscosity	Filler: Thixotropic Paste Hardener: Fluid
Solid Content	75-90%
Colour	White
Flash Point	23°C < PE < 55°C
Temperature Resistant (Fully Cured)	Up to 120°C
Shelf Life	1 year minimum in original unopened packaging.
VOC	EU limit value for this product (cat. B/b): 250g/l (2010). This product contains no more than 216g/L.
Application Tools	Filling Knife, Spatula
Dilution	Ready-to-use. Do not dilute.
Coverage	5g of mixture will fill a hole 2cms in diameter and 0.5cms in depth.
Drying Times at 20°C	Setting & Recoat: 10 to 30 minutes depending on the climatic conditions. Full Cure: 24 hours
Clean-up	Clean tools immediately after use with Acetone, Ethyl Acetate or similar. Dispose of unused hardener/filler mixture in accordance with local regulations. DO NOT put back in container.
Storage	Store products in original containers. Store product away from cold, humidity and high temperatures. Do not store by a window.

AREAS OF APPLICATION

Automotive: Bodywork (Holes and Cracks), Dents, Radiators, Battery Tray, Engine Housing, Sump, Petrol Tank....

Trailers/Caravans: Bodywork repairs, Waterproofing, Leaks....

Motorbikes: Fairing, Petrol Tank, Sump....

Marine: Boats (Wood, Metal, GRP) – Hulls and Decks. Protects against corrosion.

Building Industry: Sealing of cracks etc. in Concrete, Brick, Stone, Breeze Blocks.... Leaks in tanks – Metal, Concrete or GRP lining, Pipes, etc.

DIY: Repairing of rigid plastic objects, PVC, Polyester, ABS.... Vases, Sinks, Models....

Electrical: All insulation (12,000 volts per mm), Battery Tray....

Agriculture: Tanks, Trays, Cisterns, Troughs, Casks, Agricultural Machinery....

Central Heating: Pipes, Radiators, Boilers, Pumps, Thermal insulation.

Plumbing: Supply and drainage pipes, Connectors, Pipe junctions, U-bends, Water Heaters, Basins, Sinks, Baths....

Roofing: Tiles, Downpipes, Guttering, Frames, Skylights....

Metalwork: Gates, Doors, Metal shutters or grilles, Wrought iron....

Foundry: Blowholes, Casting defects, Cracks, Molds, Models, Prototypes....

GOOD APPLICATION PRACTICE

For narrow cracks, rake out to enlarge.

Stir filler well before mixing with hardener.

Do Not mix filler and hardener in the can.

Apply between 10°C and 40°C (Ambient, Surface or Product)

Maximum humidity 80%.

Always test beforehand for plastics.

SURFACE PREPARATION

Surface must be clean, dry and free of dirt, grease, grime, all loose material and other contamination.

Remove all rust from around the area to be repaired back to bright clean metal.

Remove all loose and old finishes from around the area to be repaired.

SURFACE PREPARATION (cont)

Thoroughly abrade the surface using a file or coarse abrasive paper. The surface must be as rough as possible.

Wipe surface clean with Acetone, Ethyl Acetate, Methylated Spirits (De-natured Alcohol) or similar to remove any abrasion residue. DO NOT use White Spirit.

Ensure the hole/defect to be filled is free of moisture.

APPLICATION

Mixing:

Add 2% of hardener to quantity of filler to achieve setting in 10 minutes at 20°C. As a guide 1 coffee bean size of hardener to 1 Chestnut size of filler.

Cold weather, increase the amount of hardener.

Hot weather, decrease the amount of hardener.

Take care not to vary the proportions by more than 1 to 4%.

Increasing or decreasing the hardener does not affect the overall curing time.

The setting time is determined by both the amount of hardener and the temperature. An increase of 10°C in the ambient temperature can lead to a considerable reduction in the setting time.

Ensure the filler and hardener are well mixed, then apply without delay.

Application:

Work filler in to crack, hole or dent.

Smooth off with filling knife

COSMOFER hardens evenly and without delay.

If the surface is not even once set, sand or scrape before repeating the operation.

For holes deeper than 50mm, build-up in layers, allowing to dry between applications.

For wide holes build from the outside to the centre or use fibreglass mesh or similar to hold the filler in place.

Allow 24 hours before machining (Drilling, Tapping, Cutting, Mechanically Sanding etc)

For a smooth finish sand (100 grit) before applying finish.

SAFETY

Refer to the safety data sheet (SDS) available at www.owatrol.com and the text on the label. Keep out of the reach of children.

* Same Manufacturer. *Refer to the TDS.

This Technical Data sheet cancels and replaces any previous Technical Data sheet for the same product. Its purpose is to inform the user about the product. The information contained within this Technical Data sheet is based on our current knowledge. However, the information contained within this document cannot replace a specification appropriate to the nature and conditions of the substrate to be coated. Due to ongoing technical advances, it is the responsibility of the user to establish that this document has not been superseded by a more recent edition. The information contained within this document is for guidance only and the manufacturer is unable to guarantee or accept responsibility for the results as it has no control over the conditions under which its products are applied.

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DURIEU S.A. - 91070 Bondoufle - France

Tel. +33 (0)1 60 86 48 70

Fax +33 (0)1 60 86 84 84

OWATROL INTERNATIONAL S.L.U

08007 Barcelona - Spain

Tel. +34 93 125 88 68

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Discover all our solutions at

www.owatrol.com

Our technical department is at your disposal to
answer any questions you may have at

info@owatrol.com