



## TECHNICAL DATASHEET

### LIGHTGRIP

**ART. NO:** #139.865 (3L)

The Carworx LIGHTGRIP is an advanced lightweight body filler formulated with premium resins to give the product an ultra-creamy consistency, superior filling properties and a pinhole-free finish. Can be used direct to metal, OEM paint, aluminum, galvanized and fiberglass. Additional product features include easy sanding, tack free, and fast drying times.

#### FEATURES

- ✓ Manufactured with European resins
- ✓ Fast drying and easy sanding
- ✓ Adheres to all metal substrates
- ✓ Tack free, stain free & pinhole-free formula

#### COMPATIBLE SURFACES

- ✓ Aluminum, fiberglass, steel, wood, other body fillers, 2K primers, aged and sanded OEM topcoats and SMC

#### AREA OF APPLICATION

Ideal for vertical repairs of dents, dings and scratches.

#### CONDITIONS OF USE AND CONFORMITY

The before mentioned technical data and information, especially the recommendations for applying and using our products, are based on our current knowledge and experience when applied under normal conditions. In practice, the materials, surfaces or site conditions are so different that no warranty regarding the working results or liability, arising out of any relationship, can be inferred neither from this information nor from a verbal consultation, except we are charged with intent or gross negligence. In this case the user is obliged to prove that he has informed us about all points required for a proper and promising judgment in writing, in time and completely. Patent rights of any third party are to be observed. Furthermore, our general sales and delivery Terms and Conditions and the latest Technical Data Sheet, which should be demanded, apply.

#### HEALTH & SAFETY

See Safety Data Sheet and labels for additional safety information and handling instructions. Directions for handling and waste disposal are in our Material Safety Data Sheet and the specifications of the Employers Liability Insurance Association for the chemical industry. Wear appropriate PPE such as eye and skin protection. In the event of injury, see first aid procedures on SDS. Always observe all applicable precautions and follow good safety and hygiene practices.

#### VOC INFORMATION / INFORMATIONS C.O.V.

46 g/L

0.38 Lbs/Gal

#### PRODUCT DATA

**Color:** Grey

**Max. Recommended Thickness (sanded):** 1/4"

**Gel Time:** 4 - 5 minutes

**Sand time:** 15-20 minutes with P40 - P80

**Specific Gravity:** 1.085 at 25°C

**Vapour Density:** 3.6

**Package:** 3L/946ml + Red Hardener

**Number per case:** 4 (3L) / 6 (946ml)

Safety Data Sheet (SDS) is available on our website



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### CAUTION

**FOR STRUCTURAL REPAIRS PRONE TO HIGH DEGREES OF STRESS & FLEXIBILITY USE A FIBER REINFORCED FILLER.**

### HANDLING



#### PREPARATION

1. Clean and degrease the entire panel to be repaired with soap and warm water, followed by a mild cleaning solvent.
2. Ensure that the surface is thoroughly dry prior to continuing with repair.
3. Use P40 grit sandpaper over the repair area to remove the paint. Use P80 grit sandpaper to remove coarse sanding marks and level the coat towards the repair (featheredge).

**N.B.** Since all polyester resin-based materials are sensitive to moisture, it is preferable to clean the steel by sandblast before applying the filler in order to avoid the formation of blisters or pinholes.



#### MIXING

1. Stir the product before using with a bottom to top motion and knead the hardener tube to ensure that there is no resin separation.
2. Place a 4" diameter puddle of filler on a clean surface and add 2% to 3% by weight of red cream hardener or add a ribbon of cream hardener from edge to edge across the center.
3. Mix thoroughly with a plastic spreader in a folding motion until uniform color is achieved. Approximate setting time is 3-5 minutes at 21°C (70°F).

**N.B.** An overdose of cream hardener should be avoided. This may result in bleeding through and color changes in the top coat. Insufficient addition of hardener may result to a sticky resin layer on the surface.



#### WORKING TIME

4 - 5 minutes @ > 21°C (>70°F)

#### REACTION TEMPERATURE

At least > 10°C (>50°F) and up to 90% relative humidity

**N.B.** In winter it is preferable to warm the metal surface using infrared lamps (or other heat lamps) before application.



#### APPLICATION

Apply in thin layers and spread evenly using firm pressure. Do not over apply and do not apply all at once.



#### DRYING TIMES

Allow product to dry for 15 - 20 minutes @ 21°C (70°F) prior to sanding.

**N.B.** The heat will shorten the cure time while the cold will lengthen it.



#### SANDING

When the material has fully cured, start sanding the body filler with P80 - P120 grit sandpaper and finish sanding body filler with P180 - P240 grit sandpaper. Use P180 grit sandpaper for bare metal and featheredge. For best results, apply any Carworx polyester putty to achieve a smoother finish and reduce the amount of primer needed.