TECHNICAL DATASHEET

OPTIMUM+

ART. NO: #139.858 (3L), #139.8581 (1.5L)

CARWORX OPTIMUM+ is a premium body filler made with the finest European resins in order to obtain the easiest sanding capabilities on the market. Formulated for fast work on large surface areas, OPTIMUM+ abolishes micro-pinholes, eliminating the need for finishing putty. Red cream hardener included.

FEATURES

- ✓ *Formulated with the finest European quality resins available*
- ✓ *Vacuum processed for an extra-smooth formula that virtually eliminates micro-pinholing*
- ✓ *Tack free formula prevents sandpaper clogging, consequently reducing labor and sandpaper costs*
- ✓ *Stain resistant formula that reduces the chances of discoloration and costly comebacks*
- ✓ *Its low viscosity and creamy texture allows for easy spreading on larger surface areas*
- ✓ *Can be used as its own finishing putty*

COMPATIBLE SURFACES

- ✓ *Steel, electrozinc-coated, galvanized metals, aluminum & polyester surfaces*
- ✓ *Epoxy primers (when maximum protection is required)*

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.*

OPTIMUM + (3L) #139.858

VOC INFORMATION		
Category	Putties & Fillers	
	g/L	**LBS/GAL**
VOC	46.0	0.38
Density	1078.44	9.00

OPTIMUM + (1.5L) #139.8581

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PRODUCT DATA

Nature: Unsaturated Polyester

Color: Grey

Max. Recommended Thickness (sanded) : ¼"

Storage: Keep in a well-ventilated area far from direct sunlight between 40°F & 90°F

Package: 3L / 1.5L + Red Hardener

Number per case: 4 (3L) / 12 (1.5L)

Safety Data Sheet (SDS) is available on our website

CAUTION

DO NOT APPLY ON THERMOPLASTIC FINISHES & WASH PRIMERS.

HANDLING

PREPARATION

1. Clean and degrease the entire panel to be repaired with soap and water, followed by a mild cleaning solvent.
2. Thoroughly dry the surface before repairing. Keep the repair area small.
3. Sand all traces of rust, old putty, nitrocellulose paint, 1K acrylic synthetic paint and any layers reactive to cleaning solvent.
4. Keep the repair area small. Sand the entire repair area with P40. Use P80 to remove coarse sanding marks and bevel the coat inward toward the repair.

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 body filler and knead the cream hardener before using.
2. Add 2 to 3% by weight of red cream hardener (add a ribbon of cream hardener from edge to edge across the center of a 4" diameter puddle of filler).
3. Mix thoroughly until uniform color is achieved.

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

3 - 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 thin layers of the filler and spread evenly and smoothly. Do not blob on or apply all at once.

DRYING TIMES

At > 21°C (>70°F) room temperature, 20 - 25 minutes

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

SANDING

Before sanding, the product should cure at least 20 - 25 minutes at an ambient temperature of 21°C (70°F) or more.

First Sanding: P80 - P100
Second Sanding: P120 - P180
Final Sanding: P180 - P240