

## :: Power Mix

2 comp. PU - adhesive

### CHARACTERISTICS

CS – Power Mix is a 2 comp. polyurethane material for structural and quick repairs and bonding of plastic parts. The 25 ml cartridges are used by hand, the 50 ml cartridges are mixed with a mixing gun (CS-Power Mix Gun Part No. 140.927). The dual cartridges are supplied in the mixing ratio 1:1. They are automatically mixed with the static mixing tip (CS-Power Mixer Part No. 140.926). A viscous compound for repairing, filling, bonding and sealing is produced.

### APPLICATION

CS – Power Mix is used to repair plastic bumpers, fenders, bucket seats, spoilers, headlight fasteners, jetski, surfboards, sports goods, plastic coverings and housings.

CS – Power Mix fills holes, fractures and seams. It also bonds to metal, wood, stone, concrete and glass. CS – Power Mix can be used for large repairs, e.g. for filling cavities. It is suitable for the automotive industry, autobody vehicle construction, engineering parts, tank and mould construction.

Only commercial use!

### PRODUCT DATA

Chemical Description: Uethan-Prepolymer

Color: Black and natural

Shelf life: New 12 months, used 6 months, keep dry at room temperature.

Density: 1,1 g/cm<sup>3</sup>

Viscosity: 4 Pa.s / 40 poise

Temp. resistance: - 40 to + 140 °C in cured condition

Optimum curing time: 1 hour minimum

Tear strength: 21800 (kPa)

Elongation: 25% (DIN 53504)

Tensile strength: 386 kg / cm<sup>2</sup>

Shear strength: 24,6 N/mm<sup>2</sup>

Shore Hardness (D)

- Flexible: ca. 60 (after 4 days)

- Universal: ca. 70 (after 4 days)

- Rigid: ca. 80 (after 4 days)

Adhesion: 700N (primed PP); 200N (non-primed PP); 700 N (non-primed PC);

900N (non-primed ABS)

Cartridge sizes / contents: 25 ml, 50 ml

## **HANDLING**

- Remove all paint from area to be repaired with grit abrasive no finer than P180. Cut a V-Groove into material to widen gash if necessary
- Clean area thoroughly with cleaner
- On soft plastic please apply Adhesion CS – Power Mix Promoter / Primer and let dry off for about 5 -10 minutes.
- Equalize material before use and attach the CS – Power Mixer
- Dispense a small bead (approx 5 cm) of product through the tip and discard. The products is now correctly equalized & and ready for use.
- Apply CS – Power Mix either on Reinforcement film (if repaired from the backside) or compress directly on repair area, overfill slightly and overlay with contouring film.
- Avoid pauses of more than 1 minute according to curing time of CS – Power Mix material selected.
- Wait for complete curing till material cools down (approx 15 to 30 min), remove contouring film and start sanding and finishing. Repair area can be painted after approx 1 hour.



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We recommend in principle, the effect of small-scale test before

### **SAFETY ISSUES**

The details above, in particular the suggestions for processing and using our products are based on our knowledge and experience in normal use. Because of the different materials, surfaces and varying working conditions a guarantee of a satisfactory result or liability under any legal provisions either from these instructions or verbal guidance cannot be established, unless and to the extent that we can be charged with intent and gross negligence. In this connection the user is obliged to prove that he has brought to our attention punctually and completely all knowledge necessary for the matter to be assessed appropriately and successfully. Trademark rights of third parties are to be observed. Otherwise our relevant sales and delivery conditions apply. In each case, the most recent technical data sheet applies and this should be requested from us.

Please read the instructions for the handling and disposal of the products in the recent safety data sheet and the corresponding information sheets of the Professional Association of the Chemical Industry.

Ready-to-use coating materials that contain isocyanates can have an irritant effect on the mucous membranes particularly on the respiratory organs and produce hypersensitivity reactions. When handling coating materials containing isocyanates all measures for coating materials containing solvents are to be carefully observed. In particular spray mist and vapours must not be breathed in. People who are allergic, asthmatic or prone to diseases of the respiratory tract must not be required to carry out work with coating materials containing isocyanates.

We reserve the right to modify or supplement the content of the information at any time without previous notification and without the obligation to keep them up to date. These provisions continue to apply to changes and amendments without restrictions.