COSMOFEN RM
PVC-Repair Mass

APPLICATION
COSMOFEN RM is especially used to repair cracks, false drillings and other damages on PVC-hard profiles and is only for professional use by instructed personnel.
COSMOFEN RM excels through its easy, safe and rapid handling during the application/repairing.
COSMOFEN RM ensures an excellent adhesion on the above mentioned materials; impact resistance and a high resistance against ultraviolet radiation are its film properties.

TECHNICAL DATA

BASIS
2-component polymerisation resin on acrylic basis

COLOUR
of hardened up film white approx. RAL 9016

FILM PROPERTY
of hardened up film (similar to PVC-hard) hard impact resistance

MIXING RATIO
powder : paste in parts by weight = 13:6 g

VISCOSITY
at +20°C, immediately after the mixing thixotropic

APPLICATION TIME
of the mini-set at +20°C approx. 5 min
(The application time is half as short at +30°C and twice as high at +10°C)

GRINDING RESISTANCE
at +20°C after approx. 25 min

FINAL SETTING TIME
at +20°C, 50% rel. air humidity at ~90% approx. 120 min
Until functional hardness has been reached approx. 1 d

MINIMUM TEMPERATURE
for application from +5 °C

WORKING INSTRUCTIONS
The PVC-profiles are only repaired, after the profiles have been cleaned and dried; the repair should not be made, if there is humid weather during the assembly!
The surface to be repaired is cleaned with COSMOFEN 20; if necessary, the damaged surface is fashioned with a piercing chisel, in order to remove metal abrasion or similar things.
If there are profile cracks, a triangular joint has to be made, e. g. by means of a piercing chisel or a milling machine!
First strongly agitate, fill then completely the paste component into the cask of the powder component. Afterwards, mix homogeneously this mass with the enclosed spatula and apply onto the damaged surface within 4 minutes. You can, already after 25 minutes/+20°C, start with a fine-grinding, first with a 240-grain- and then with a 400-grain sand paper. Thereafter, the surface is cleaned with COSMOFEN 20, and later, polished with COSMOFEN 5.
WORKING INSTRUCTIONS

If required, the repaired surface can be retouched with (acrylate lacquer)-colour sticks, so that the shade can be corrected and adapted to the profile surface.

* PMMA-co-extruded or laminated-sheet profiles can only be primed, but not grinded, because of the sensitive profile surface!

APPLICATION TIME, as well as the resulting GRINDING RESISTANCE TIME, can only be exactly found out through own tests, as they are strongly affected by material, temperature, prepared quantity, application quantity, humidity, and other criteria. The user should provide adequate security additions to the given approximate values.

CLEANING

The cleaning of not hardened up COSMOFEN RM is made with COSMOFEN 20.
The cleaning of hardened up COSMOFEN RM is only mechanically possible.

STORAGE

Store original cask tightly closed, dry, at a temperature between +15°C and +25°C, without direct solar irradiation.
Can be stored in unopened original casks for approx. 12 months.

CASK SIZE

19g mini-set (13g powder- + 6g paste-component), with spatula and short instructions for use, in dispatch units of each 6 sets.
On request, other cask sizes adjustments are also available.

Accessory on request:
COSMOFEN 20 non-dissolving cleaner with anti-static agent
COSMOFEN 5 dissolving polishing- and smoothening agent

CLASSIFICATION

COSMOFEN RM is subject to classification, according to the Ordinance on Hazardous Materials (GefStoffV).

Further information for the process can be taken from the safety data sheet according to 91/155/EEC.