4092 LD
Self-levelling SMP

Technical data sheet
Version: V0 -06-2026

1. Properties
- self-levelling SMP | free of silicone, isocyanate and solvents
- UV, ageing and weather resistant
- special formula for longer working time
- can be painted over

2. Areas of application
- Pouring SMP for application in hard-to-reach areas thanks to its special, flowable formula.
- Ideal as a grouting compound for different applications

3. Technical data

CTM*	Standard	Feature	Unit	Value
		Base		SMP
		Curing mechanism		RTV1
		Skin formation time at +23 °C | 50"% RH	mins	~ 25
		Full curing time at +23 °C | 50"% RH	mm/24 hrs	~ 2.60
	EN ISO 1183-1	Density	g/cm³	~ 1,4
	DIN EN ISO 868	Shore A hardness		~ 60
	EN ISO 10563	Volume shrinkage	%	~ 4,40
		Initial tack		-
	HPK 28dRT	Elongation at break	%	~ 25
	HPK 28dRT	Tensile strength	N/mm²	~ 1,0
	DIN ISO 34-1	Tear resistance	N/mm	~ 8,40
		Temperature resistance (long term exposure)	°C	-40 to +100
		Processing temperature	°C	+5 to +30
f-1-0/g-1-0		Viscosity | 51/s	Pa·s	~ 25
		Electrical conductivity (volume resistance)	Ω·cm	> 1 x 10^{10}
		Colours	anthracite	
		Packaging	Film bag, hobbock, barrel	
		Shelf life	6 months (when stored in a cool and dry place in the original container)	

* Corporate Test Method | CTM copies available on request

4. Substrate preparation

Bonding surfaces must be dry, structurally sound, and free of dust, oil, and grease. For non-absorbent substrates, pre-cleaning with „828 Grund Reiniger“ is recommended. On sensitive surfaces, compatibility should be checked beforehand to avoid damaging the surface. If necessary, carefully pretreat the bonding surfaces with a suitable primer. Lightly sanding with a fine abrasive pad can further improve adhesion on smooth surfaces. Due to the wide variety of coating systems available, an adhesion test is recommended before application on painted surfaces.

Substrate*	**Pre-treatment**
Aluminium	828 Basic Cleaner
Aluminium AlMg1	828 Basic Cleaner
Aluminium 6016	828 Basic Cleaner
Concrete wet, polished	free of dust
Concrete formwork smooth	free of dust
Stainless steel	828 Basic Cleaner
GFK	828 Basic Cleaner
Glass	828 Basic Cleaner
Tile	828 Basic Cleaner
Pine wood	free of dust
PC Makrolon Makroform 099	828 Basic Cleaner
Steel DC04	828 Basic Cleaner
Steel hot-dip galvanised	828 Basic Cleaner
Zinc	828 Basic Cleaner

* On substrates not listed in this table, the processor must always carry out preliminary tests to check the suitability of the product. This table is based on adhesion tests carried out on test specimens from Rocholl under laboratory conditions. In practice, adhesive properties depend on a variety of external influences (weather, contamination, etc.). Therefore, this table is for guidance only and does not constitute a binding statement. The tests carried out above refer only to adhesive properties and are not indicative of compatibility with the substrates mentioned.
*1: Different types of PLEXIGLAS® show certain differences in their chemical resistance. In some applications, the formation of stresses must be expected. These stresses, in combination with certain agents, can lead to ‘stress cracking’. The duration of exposure, temperature and concentration of the acting substance have a fundamental influence on the possible ‘stress cracks’. When using our products in combination with PLEXIGLAS®, the suitability must therefore be checked in advance.
*2: Compatibility with a wide variety of mirror coatings from different manufacturers is regularly tested in our laboratory. Due to the manufacturing processes of different manufacturers, which are not known to us in detail, and depending on the existing substrate and bonding variants, preliminary tests are recommended.

5. Processing

General information: 4092 LD can be processed at substrate and ambient temperatures between +5 °C and +35 °C. The ideal processing temperature is about +20 °C. The viscosity of the uncured material is temperature-dependent, meaning that viscosity increases at low temperatures and decreases at high temperatures. In addition, a variety of external influences, such as humidity, UV exposure, chemical influences, high temperatures, etc., must be taken into account. These and other factors can have a significant effect on the material properties of the product and its shelf life. The expiry date stated on the product must be strictly adhered to, as the product properties can no longer be guaranteed if this date is exceeded. Good ventilation must be ensured during processing and curing.

Processing: Before application, the processor must ensure that all materials that come into contact with the product do not cause any incompatibilities.

Removal: Uncured 4092 LD can be removed with 502 Surface Cleaner or 504 Universal Cleaning Wipes, while cured material can only be removed mechanically. If it comes into contact with the skin, it must be cleaned immediately.

6. Application restrictions

- Moderately resistant to chlorinated, 8"% cleaning solutions.
- Moderately resistant to acetone (ketones) and ethanol (alcohol).
- Not resistant to concentrated acids and chlorinated hydrocarbons.
- Avoid contact with bituminous and plasticiser-releasing materials, such as butyl, EPDM, neoprene, etc.
- Without pre-treatment, no adhesion to plastics with low-energy surfaces, such as PE, PP or PTFE.
- Not suitable for permanent sealing and bonding of copper and brass.

7. Safety notices

All safety notices and instructions are listed in the current safety data sheet available on **www.ramsauer.eu**.

8. Liability for defects

All information, in particular suggestions for the processing and use of our products, is based on our knowledge and previous experience. Depending on the specific circumstances, in particular with regard to the substrate, processing and environmental conditions, the results may differ from our specifications. Therefore, no guarantee can be given for the quality of the results achieved, which are influenced by the aforementioned circumstances. No legal claims of any kind can be asserted against Ramsauer GmbH & Co KG on the basis of this information or verbal advice, provided that we are not guilty of intent or gross negligence. Ramsauer GmbH & Co KG guarantees that its products will retain their technical properties as specified in the technical data sheets until their expiry date. Product users must observe the latest technical data sheet, which can be downloaded from our website at **www.ramsauer.eu**. Our current General Terms and Conditions apply. These are also available on our website. With the publication of a new version or revision of a technical data sheet, all previous versions of the respective product lose their validity.