

# DINITROL 785

## 2-Component MS-Polymer

DINITROL 785 is a highly elastic two-component MS polymer adhesive developed for demanding applications where fast curing is essential. Its rapid strength build-up significantly reduces cycle and standstill times, enabling more efficient production processes. Key features include:

- » Humidity-independent
- » Long open time with fast curing
- » Broad adhesion spectrum
- » Very good UV- and ageing resistance
- » Isocyanate-free
- » Cartridge fits in standard cartridge gun
- » Large applications with dispensing machine



### Equipment

**DINITROL MASTER TOOL**  
**310 ml Cartridge & 600 ml Foilwrap**  
 Art. No. 1736500

**DINITROL MASTER TOOL**  
**310 ml Cartridge & 400 ml Foilwrap**  
 Art. No. 1736600

**INDUSTRIAL NITRILE GLOVES XL 10-P**  
 Art. No. 1734100

### DINITROL 785

| Art. No.           | Size   | Package   | Colour |
|--------------------|--------|-----------|--------|
| 12651              | 250 ml | Cartridge | Grey   |
| <b>Component A</b> |        |           |        |
| 12746              | 20 L   | Hobbock   | Grey   |
| <b>Component B</b> |        |           |        |
| 12747              | 20 L   | Hobbock   | White  |

# DINITROL 785

## Technical Details

### Product description

DINITROL 785 is a highly elastic two-component MS polymer adhesive developed for demanding applications where fast curing is essential. Its rapid strength build-up significantly reduces cycle and standstill times, enabling more efficient production processes. Key features include:

- Independent of humidity
- Long open time of 30 minutes and fast through-curing
- Cartridge fits standard cartridge gun
- Very good adhesion spectrum, mostly without adhesion promoter
- Very good UV- and ageing resistance
- Isocyanate, silicone, and PVC free
- Low viscosity, easy to spread with toothed spatula
- No formation of CO<sub>2</sub>

### Areas of Application

- Elastic bonding and sealing in buses, trains, caravans, motor homes trucks and trailers.
- DINITROL 785 is well suited for use on diffusion-tight and open joint parts, as well as two-dimensional, thick and thin-layer bonds which, with guaranteed curing and a known increase in strength, reliably define the standing, displacement and drive-away times.

### Examples of application

- Joining of moisture- and gas-impermeable parts  
→ Rubber coating on aluminium floor, applied on one side with a notched trowel. Removable and repairable with Zeranfeld scraper.
- Surface bonding with guaranteed curing in time, achievement of shorter drive-away times and simultaneous safety → Side wall plate

- Thin-film bonding, i.e. structural application, enables the transmission of greater forces, achieving shorter travel times and safety at the same time  
→ Brackets on roofs, such as solar spoilers, antennas, cable holders
- Thick film bonding with shorter fusing time  
→ Headliner trim, trim parts

All in all, this KS is well suited for diffusion-tight bonded parts (diffusion-open, of course), area, thick-layer and thin-layer bonding with a safety guarantee (guaranteed curing with known strength increase), thus clear definition of standing, shifting and moving away times.

### Surface pretreatment

The surfaces to be bonded must be clean, dry and free of dust and grease. In many cases, pre-treatment with adhesion promoter is not necessary, such as with aluminum, steel, glass, painted wood, etc., we recommend carrying out preliminary tests.

### Method of use

DINITROL 785 is applied with the usual 1 K dispensers or 2 K automatic adhesive dispensers at temperatures between +15°C and 35°C, it can be spread with a toothed spatula over a wide area, or with a brush for sealing applications. For sealing applications, DINITROL 785 should be taken off within 20 min (at 23°C/50% r.h.) and, if necessary, smoothed with a soap solution. Join parts within the open time (<30 min at RT), higher temperatures will reduce the open time.

## Technical Data

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Appearance                                             | A-comp.: grey<br>B-comp.: white               |
| Mixing ratio                                           | 100 : 100                                     |
| Density (DIN 53217-4)                                  | approx. 1'400 kg/m <sup>3</sup>               |
| Standing properties                                    | Conditionally good                            |
| Application temperature                                | 10°C – 35°C                                   |
| Open time <sup>1</sup>                                 | < 30 min                                      |
| Hardness Shore A (DIN 53505)                           | approx. 45                                    |
| Tensile strength (DIN 53504)                           | approx. 2,4 MPa                               |
| Elongation at break (DIN 53504)                        | approx. 300%                                  |
| Temperature resistance:<br>Short term (approx. 1 hour) | -40°C to 80°C<br>< 120°C                      |
| Shelf life (storage < 25°C)                            | 15 months                                     |
| Available in                                           | 250 ml 2 in 1 cartridge, 20 L hobbock A and B |

\*at 23°C / 50% r.h.

**For all relevant safety advices please read the material safety data sheet or the packaging label.**