

DINITROL 785

2-Component MS-Polymer

DINITROL 785 is an elastic 2-component adhesive based on MS polymer. It is used in applications where fast cure and processing time is required. DINITROL 785 is a fast curing adhesive and sealant to reduce adhesive and sealant designed to reduce throughput/stand times and thereby to reduce process times with the following properties:

- » Humidity-independent
- » Long open time with fast curing
- » Broad adhesion spectrum
- » Very good UV- and ageing resistance
- » Solvent, 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
Component A			
12746	20 L	Hobbock	Grey
Component B			
12747	20 L	Hobbock	White

DINITROL 785

Technical Details

Product description

DINITROL 785 is an elastic 2-component adhesive based on MS polymer. It is used in applications where fast cure and processing time is required. DINITROL 785 is a fast-curing adhesive & sealant to reduce cycle/stand times and reduce their process times with the following properties:

- 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
- Solvent, isocyanate, silicone, and PVC free
- Low viscosity, easy to spread with toothed spatula
- No formation of CO²

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 B-comp.: white
Mixing ratio	100 : 100
Density (DIN 53217-4)	approx. 1'400 kg/m ³
Standing properties	Conditionally good
Application temperature	10°C – 35°C
Open time ¹	< 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: Short term (approx. 1 hour)	-40°C to 80°C < 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.