BONDING & SEALING BONDING & SEALI

DINITROL 760

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STP Adhesive and Sealant

- ✓ high tensile strength
- ✓ primerless
- ✓ isoscyanate free
- ✓ overpaintable

NEW DEVELOPMENT
Two in One

DINITROL 760

Elastic 1c- adhesive and sealant based on ST-polymers

Product description

DINITROL® 760 is a elastic 1c- adhesive and sealant based on ST- polymers for structural bonding, being cured by air humidity to form a durable elastomer. The skin formation time depends on ambient humidity, curing time is dependent on humidity level and on joint depth.

DINITROL® 760 features a high decking, excellent resistance to dynamic stress and a very good resistance to UV radiation. The product is free of isocyanats and tin compounds.

The material adheres to:

Metal surfaces such as steel, galvanised steel sheets, aluminium (also anodised), coatings, glass and ceramic screen print, GRP, SMC and most plastics (except PE, PP, PS, PC, PMMA and PTFE). On surfaces not mentioned here, adhesion tests are recommended to be done before use. DINITROL® 760 shows excellent adhesion to a variety of surface materials. For special applications, suitable primers are available.

Features

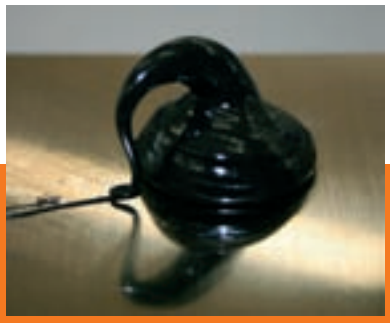
DINITROL® 760 is a humidity curing STP adhesive offering excellent material properties and processing conditions:

- elastic adhesive
- resistance to high dynamic stress
- high decking
- excellent brushability
- overpaintable
- showing almost no stringing effect
- high resistance to UV radiation
- primerless application
- Isocyanat free
- nonodorous

Packaging Information

310 ml cartridge	600 ml foil wrap	others on request

Comparision of main properties

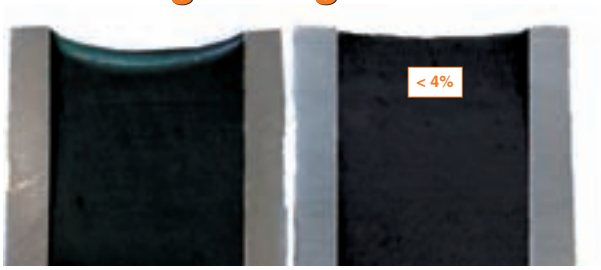


Competitive product
Long thread, poor standing properties on vertical position

DINITROL® 760
Short thread, excellent decking on vehicle position

DINITROL® 760 has well adjusted decking properties for the use in all common sealing operations.

Shrinking during cure



Competitive product reveals substantial shrinking during the cure

Excellent performance of DINITROL® 760

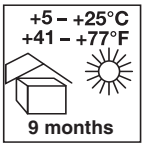
Shrinking properties are a very important performance parameter in the area of bonding and sealing.

Chemical Resistance

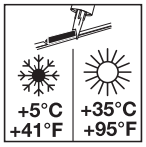
Durably resistant:	water, sea water, aqueous cleaning agent
temporarily:	gasoline, grease and mineral oil
not resistant:	concentrated acids, caustic solvents

Technical Data

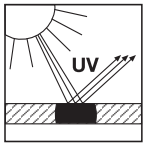
Material:	1-c STP adhesive
Colour:	black
Consistence:	highly viscous
Density:	1.32 g/cm³
Application temperature:	+5 to +30°C
Tack free time:	20 min. at 23°C / 50% r.h.
Curing speed:	2,5 mm in 24h at 23°C / 50% r.h.
Tensile strength:	3.7 N/mm²
Elongation at break:	280 %
Tear propagation resistance:	6.4 N/mm
Hardness Shore A:	~ 55
Thermal resistance:	-40° to +80°C, short term (4h) +120°C
Shelf life (cartridges, foil wraps):	9 months



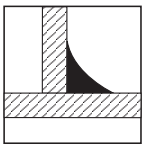
Shelf life and storage conditions



Processing temperature



UV stabilised



Filled joints

Folded joints

Overpaintable after less than one minute

Automotive applications

Railway applications

Truck applications

Domestic use

General industry applications

Bus and coach applications

Marine applications

Caravan manufacturing

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EFTEC Aftermarket GmbH
Pyrmonter Straße 76
D-32676 Lügde

Telephone: +49(0)5281- 9 82 98-0
Telefax: +49(0)5281- 9 82 98-60
Web: www.dinitrol.de