

DINITROL 770

Silane terminated polymer, 1 component sealant and adhesive

DINITROL 770 is a one-component, moisture-curing silane-terminated polymer with excellent weather and UV stability.

DINITROL 770 was developed for the body, container and vehicle construction, ventilation and air conditioning technology, metal construction and the transport sector.

» Very good weather and UV resistance

» Wide range of adhesion (glass, zinc, aluminium, steel, paints and primers, wood, mineral substrates and plastics (except PE, PP, PTFE))

» No tendency to form bubbles, (CO₂ free networking)

» Solvent and isocyanate free



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 770

Art. No.	Size	Package	Colour
12611	290 ml	Cartridge	White
12612	290 ml	Cartridge	Grey
12613	290 ml	Cartridge	Black
12736	600 ml	Foilwrap	Black
12737	600 ml	Foilwrap	White
12738	25 kg	Hobbock	White
12739	600 ml	Foilwrap	Grey

DINITROL 770

Technical Details

Product description

DINITROL 770 is a moisture-curing silane-terminated polymer with excellent weathering and UV stability. DINITROL 770 has been developed for bodywork, container and vehicle construction, ventilation and air conditioning technology, metal construction and the transport sector.

- Very good weathering and UV resistance
- Wide adhesion spectrum (glass, zinc, aluminium, steel, lacquers and primers, wood, mineral substrates and plastics (except PE, PP, PTFE))
- Good gap bridging
- No tendency to bubble formation (CO₂ free cross-linking)
- Solvent and isocyanate free

Application

DINITROL 770 is suitable for sealing overlap and expansion joints in visible interior and exterior areas. DINITROL 770 adheres to many substrates made of aluminium, steel and stainless steel, zinc, powder-coated metal, on paints, glass, ceramic screen printing, PVC, GRP and wood. No adhesion to PE, PP and Teflon. In many cases, the use of an adhesion promoter is not necessary. The surfaces must be clean, grease-free and dry. DINITROL adhesion promoters (e.g. DINITROL 545 Activator) can be used to improve adhesion. It is recommended to test the adhesion to the substrates in preliminary tests before application. DINITROL 770 can be processed between 5°C and 30°C. Conventional dispensing guns can be used for cartridges and foil wraps. Joining of the adhesive partners must be carried out within the open time/skin forming time, otherwise wetting and adhesion problems will occur.

Overpaintability

DINITROL 770 can be overpainted wet-on-wet with many lacquers. If the paint is applied after skin formation, the build-up of paint adhesion will deteriorate in many cases. It is recommended to carry out preliminary tests.

Storage / Transport

Store well closed between 5 and 25°C. During transport, temperatures may be exceeded for a short time (2-4 days). Can be used for up to 15 months if unopened.

Safety precautions

No specific safety precautions required. Consult safety data sheet.

Technical Data

Colour	white, black
Raw material base	Silane-terminated polymer
Density (DIN 53479)	~ 1,6 g/ml
Working temperature	+ 5°C bis + 30°C
Temperature stability	- 40°C up to + 90°C, (short termed up to 120°C)
Curing	Hardens on contact with air humidity
Skin formation time (DIN 50014)*	~ 20 min.
Curing time *	~ 3 mm within 24 h
Shore A hardness (DIN 50505)*	~ 60 (6mm, 4 weeks *)
Tensile strength (DIN EN ISO 527)*	1,9 N / mm ²
Tear strength (ASTM D624)*	12 N/mm
Elongation at break (DIN EN ISO 527)*	300 %
Storage (between 5°C and 25°C)	15 months / cartridges 15 months / foil wraps
Available in	290 ml cartridge, 600 ml foilwrap

*at 23°C / 50% r.h.

Hazards identification

2.1. Classification of the substance or mixture
GB CLP Regulation
This mixture is not classified as hazardous in accordance with GB CLP Regulation.

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