

D210

TRU-FLEX 40MS HYBRID POLYMER SEALANT

TECHNICAL DATA SHEET
EDITION: 06/09/2021
PRODUCT CODE: D210

PRODUCT DESCRIPTION

Delta D210 Tru-flex 40MS is an isocyanate free sealant which cures by reaction with atmospheric moisture to give a tough and durable elastic seal. Based on the latest technologies this solvent free formulation combines the best of silicone and polyurethane technologies. The unique one component curing system offers unrivalled adhesion characteristics on a wide range of substrates with minimum surface preparation.

AREAS OF USE

The product has a wide area of application which includes the following:

- Bonding and sealing in caravan and vehicle production and repair.
- Sealing and bonding panels and cladding.
- Protection of welded points and seams in automotive and metal fabrication.
- Sealing all construction expansion joints.
- Sealing on porous substrates where non-staining is essential.
- Sealing where overpaintability is required.
- Any application requiring high-performance, durable sealing and bonding of joints.

BENEFITS

- One part formulation
- High bonding strength with good initial wet grab and quick curing.
- Solvent and isocyanate free with low odour.
- Primeless adhesion on most common substrates.
- Neutral cure - non corrosive
- UV and weather resistant.
- Powerful biocide prevents mould growth
- High electrical resistance
- Permanently flexible.
- Chemically resistant to salt and drinking water, mineral oils, grease and fuels.

DIRECTIONS FOR USE

Surfaces must be clean, dry and free from all traces of grease, oil, wax and dust. the bond faces must be treated with a cleaning agent such as D406 Surface Preparation Cleaner or D513 Cleansing Wipes.

Cut the end cap from the cartridge leaving the thread attached, fit the nozzle and cut to the desired angle to suit the application. Apply using a pneumatic or manually operated cartridge gun. When making a joint masking tape should be used to prevent contamination of adjacent substrates and ensure a neat sealing line. Masking tape should be removed immediately after tooling. The joint should be tooled within 5 minutes of application to ensure good contact between the sealant and the substrate. tooling of the sealant gives a smooth professional finish.

LIMITATIONS

- Do not use in conjunction with bitumen or asphalt.
- Not to be used in ponds or aquaria.
- For fixing heaving items use temporary support while curing or supplement with mechanical fixings.
- Always conduct trials when overpainting.
- The hardness and film thickness of the paint may impair the elasticity of the adhesive and lead to cracking of the paint film.

TECHNICAL DATE	CHEMICAL BASE	One-part polyurethane hybrid
	COLOUR	Clear/black
	SKINNING TIME	15-30 minutes @ 23°C/50%RH
	HARDNESS SHORE A	50 Approx
	CURE TIME	2-3mm per hour @23°C/50%RH
	CURE MECHANISM	Moisture curing
	APPLICATION TEMPERATURE	+5 to 35°C
	SERVICE TEMPERATURE	-40 to 120°C (150°C Short exposure)
	SPECIFIC GRAVITY	Approx 1.05 Kg/l (clear) 1.40 Kg/l (colours)
	SLUMP RESISTANCE	Excellent up to 25mm joints
	MOVEMENT ACCOMMODATION	± 20%
	ELONGATION AT BREAK	Approx 200%
	TENSILE STRENGTH	2.5 N/mm ² approx
	SHELF LIFE	9 months when stored in dry conditions between +5 to +25°C

PACKAGING • Available in 290ml rigid cartridge. Other packs available on request.

HEALTH AND SAFETY • Refer to the relevant Material Safety Data Sheet (MSDS).

LEGAL NOTICE

The data contained within this Technical Data Sheet is furnished for information only and is believed to be reliable at the time of issue. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the responsibility of the customer to determine the products suitability for use. Delta Adhesives Limited accepts no liability arising out of the use of this information or the product described herein.

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