

Quick curing, permanently elastic 1-component adhesive/sealant based on a MS-hybrid-polymer, moisture curing, neutral polymerisation, odourless, excellent adhesive power

Application

Elastic bonding as well as sealing of seams and joints in car bodywork, automotive, wagon and container manufacturing, on vehicle bodies, in metal construction, apparatus and mechanical engineering, electrical engineering, ventilation engineering, air-conditioning and plastics technology, in shipbuilding. Bonding of car wings, metal roof panels etc. LeeFix (55) is suitable for painting over something later or when the use of silicone sealant is not appropriate.

Processing

Bonded metals can be spot welded and immediately coated "wet-on-wet" with most of the usual car coatings. LeeFix (55) can also be painted with powder coatings and loaded for a short time during the baking process (up to 200°C). Apply only to clean, dry and fat free surfaces. LeeFix (55) adheres to various surfaces without primer. In case the demands on the adherence are high due to big fluctuations in temperature or contact with water, we recommend the use of a Primer on non absorbent surfaces. On absorbent surfaces, as for example concrete, we generally recommend the use of a Primer.

Technical data:

Shore_A-hardness (DIN 53505) after 3 weeks of storage at 23°C / 50% H.R.	55 ± 2	Chemical resistance	
Modulus elongation at 100% and 23°C (DIN 53504 S2) Storage during 7days at 23°C / 50% H.R.	≥1.1 N/mm ²	good: to water, aliphatic solvents, oils, greases, diluted, inorganic acids and alkalis moderate: to esters, ketones and aromatics not resistant: to concentrated acids and chlorinated hydrocarbons completely weather-resistant	
Elongation at break (DIN 53504 S2) Storage during 7 days at 23°C / 50% H.R.	app. 400%	Colours	white, grey, black, other colours on request
Consistency (DIN EN 27390)	non-sagging	Packaging	cartridges of 310 ml in boxes of 12 pieces, other packaging on request
Skin forming time at 23°C / 50% H.R.	5-10 minutes	Shelf life	in original box 12 months from production date
Curing through at 23°C / 50% H.R.	after 24h: app. 2.5mm after 48h: app. 4.0mm	Storage conditions	store in a cool, dry place
Density at 23°C / 50% H.R.	1,54 ± 0,03 g/cm ³	LeeFix (55) is paintable. Because of the diversity of varnishes and paints on the market, we recommend a preliminary tests. Using paints based on alkyd resins the drying process may be hold up. The varnish should be applied to the sealant within 4 hours. The best results are obtained with a wet-on-wet application. After cleaning with acetone, joints can be varnished at any time.	
Change of volume (DIN 52451)	< 10%		
Temperature resistance	-40°C to +90°C		