

Overview of surface sealants



| Drei Bond | Colour | Basis | Viscosity [mPa.s/25°C] | Thixotropy | max. thread diameter / gap filling [mm] | Fixture time [min] or [sec] | Full cure time [h] | Temperature range [°C] | Tensile strength [N/mm ²] | Elongation at break | Shore hardness | Application Properties |
|-----------|------------------|--------------------------------------|------------------------|------------|---|-----------------------------------|--------------------|------------------------|---------------------------------------|---------------------|----------------|--|
| 1104 | Grey | Synthetic solvent-containing xylene | 14000 - 22000 | Low | 0.1 mm | approx. 30 min | > 24 h | -50 to +130°C | 2 - 4 | > 320 % | | Liquid sealant for sealing flange connections of pump, gearbox, motor flange and pipe-lines; replaces solid seals and PTFE tape. Cured product forms a permanently flexible age-resistant film that is shock-resistant and vibration-proof. Normal disassembly ensured even years later. Chemical resistance against fuels, oils, gases, liquefied petroleum gases and many other industrial media. |
| 1104T | Grey | Synthetic solvent-containing xylene | 40000 - 80000 | High | 0.1 mm | approx. 30 min | > 24 h | -50 to +130°C | 2 - 4 | > 320 % | | Liquid sealant for sealing flange connections of pump, gearbox, motor flange and pipe-lines; replaces solid seals and PTFE tape. Cured product forms a permanently flexible age-resistant film that is shock-resistant and vibration-proof. Normal disassembly ensured even years later. Chemical resistance against fuels, oils, gases, liquefied petroleum gases and many other industrial media. The higher viscosity and high thixotropic setting provide better sealing for larger gaps. In production halls with higher temperatures in the summer, 1104T has advantages over 1104 as the more viscous product tends not to run on the sealing surface. |
| 1104-1 | Grey | Synthetic solvent-containing acetate | 17000 - 34000 | Medium | 0.1 mm | approx. 30 min | > 24 h | -50 to +130°C | 2 - 4 | > 320 % | | Liquid sealant for sealing flange connections of pump, gearbox, motor flange and pipe-lines; replaces solid seals and PTFE tape. Cured product forms a permanently flexible age-resistant film that is shock-resistant and vibration-proof. Normal disassembly ensured even years later. Chemical resistance against fuels, oils, gases, liquefied petroleum gases and many other industrial media. |
| 1108 | Blue | Synthetic polyester resin | > 1.0 million | Low | 0.1 mm | | | | | | | Permanently plastic sealant for sealing flange connections and threaded connections. Protects against corrosion. Easy to dismantle. Very good resistance against gases, liquid gases, water, petrol and oils, etc. Vibration-proof and thermal shock resistant. |
| 2210 | Aluminium colour | Neutral silicone | pasty | | | tack free time: approx. 5-10 min | 6 - 24 h | -40 to +170/200°C | 5 (DIN 53504) | > 250% | 60 (A) | High-performance silicone with very high temperature resistance up to 170°C/200°C. Very good long-term temperature behaviour. Good chemical resistance against conventional industrial media when in the cured state. For all surface and flange sealing in the motor, gearbox, axis and drive area with high compressive strength, very high tear strength and increased adhesion. |
| 1209 | Transparent | Neutral silicone | pasty | | | tack free time: approx. 10-15 min | 6 - 24 h | -40 to +200/250°C | | approx. 300% | 45 (A) | High-performance silicone with very high temperature resistance up to 200/250°C. Very good long-term temperature behaviour. Good chemical resistance against conventional industrial media when in the cured state. For all surface and flange sealing in the motor, gearbox, axis and drive area with high compressive strength, very high tear strength and increased adhesion. |
| 1207 | Black | Neutral silicone | pasty | | | tack free time: approx. 10-15 min | 6 - 24 h | -40 to +180/200°C | | approx. 400% | 20 (A) | High-performance silicone with very high temperature resistance up to 180/200°C. Very good long-term temperature behaviour. Good chemical resistance against conventional industrial media when in the cured state. For all surface and flange sealing in the motor, gearbox, axis and drive area with high compressive strength. Very high elongation at break. |
| 5454S | Green | AN methacrylate | 20000 - 50000 | Low | 0.30 mm | 15 - 30 min | 24 h | -55 to +150°C | | | | Elastic surface sealant, threaded and joint connection, medium-strength. Particularly suitable for all surface and flange sealing in the power unit, gearbox and drive area. The vibration-proof sealant replaces solid seals and enables larger processing tolerances. Thixotropic setting prevents the sealant from running away before and during initial curing. Normal removal possible. Immediate sealing against low pressures. Good long-term temperature and elastic behaviour. Very good chemical resistance against oils, fuels, glycol, water and other industrial media, etc. |