



Product overview

1) Fluctuating datas because of different hardnesses of matrix and ceramic.

Sizes of trading units:
1, 5, 10, und 20 kg
or as necessary

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| | nanoseal | Color Comp. A:B | Temp.-resistant wet dry | Form | work life at +20°C minutes | hardening/ cure 25°C light weight: full weight: | individual weight: mixture g/cm³ | Hardness Shore D | viscosity with hardener [mPas] | Overcoat end | Tensile strength pressure resistance | Application |
|---|--------------------|-------------------------|-------------------------|--------|----------------------------|---|----------------------------------|------------------|--------------------------------|--------------|--------------------------------------|---|
| highly wear resistant with ceramic balls, putty, primable | nanoseal B1 | grey / white 3:1 | 70°C 130°C | putty | 30 | 12 h 24 h | 2,60 | 85-90 | putty | 3 h | 35 N/mm² 90 N/mm² | highly wear resistant highly resistant ceramic balls up to 1,5 mm |
| | nanoseal B1 EE | grey / white 0,43:1 | 60°C 90°C | putty | 45 | 24 h 48 h | 2,20 | 40-70 1) | putty | 5 h | 16 N/mm² - | like B1 but higher expiration consistency (min. 1cm application is possible) |
| | nanoseal B1F | grey / white 1,75:1 | 60°C 90°C | putty | 5 | 1 h 3 h | 2,00 | 82-87 | putty | 1 h | 18 N/mm² 60 N/mm² | like B1S but highly fast curing/cure/hardening |
| | nanoseal B1S | grey / white 2:1 | 80°C 120°C | putty | 30 | 12 h 24 h | 2,50 | 85-95 | putty | 3 h | 37 N/mm² 95 N/mm² | like B1 but smaller ceramic balls down to 0,5mm |
| chemical attacks | nanoseal B3 | grey/light-grey 2:1 | 80°C 130°C | liquid | 30 | 24 h 72 h | 1,30 | 80-82 | 100 000 | 3 h | 25 N/mm² 65 N/mm² | highly protection against aggressive chemicals, acids, bases and fumes |
| | nanoseal B3 TF | grey 2:1 | 110°C 180°C | liquid | 30 | 24 h 24 h | 1,40 | 80-84 | 150 000 | - | 23 N/mm² | protection of metals against highly chemical attack and corrosion, has to be tempered for 2 hours at T=90°C . |
| wear resistant, erosion, corrosion, fine ceramic liquid brushable, rollable | nanoseal B4 | dark-grey 5:1 | 60°C 100°C | liquid | 30 | 16 h 36 h | 1,70 | 80-85 | 200 000 | 5 h | 27 N/mm² 82 N/mm² | highest wear resistant characters (abrasion) of all liquid materials very tough-elastic, best adhesion character, TÜV-proofed for use in power plant |
| | nanoseal B4 CB | grey/light-grey 7,5:1,6 | 110°C | liquid | 25 | 24 h 72 h | 1,90 | 80-85 | 150 000 | 3 h | 26 N/mm² 74 N/mm² | brushable ceramics with extraordinary high resistance against organic acids and other aggressive chemicals, inter alia for biogas plants. |
| | nanoseal B4+ | dark-grey 3:1 | 80°C 160°C | putty | 30 | 12 h 24 h | 1,70 | 87-89 | putty | 3 h | 38 N/mm² 93 N/mm² | putty variant of B4 |
| | nanoseal B4 KF | grau 5:1 | 40°C -30 - +80°C | liquid | 40 | 16 h 36 h | 1,65 | 74 - 78 | 200 000 | 5 h | 24 N/mm² 68 N/mm² | like B4 but elastic for temperature shock demand, "KF" = coldness resistant, for example anti-slide in cold store |
| | nanoseal B4 AS | black 3, 1:1 | 60°C 90°C | liquid | 40 | 36 h 72 h | 1,50 | 72 - 78 | 150 000 | 5 h | 27 N/mm² 82 N/mm² | like B4 but antistatic, very low surficace resistance |
| | nanoseal B4 LM | grey 4,6:1 | 80°C 100°C | liquid | 40 | 16 h 72 h | 1,70 | 80 - 82 | 100 000 | 5 h | 26 N/mm² 74 N/mm² | like B4 but with food licence up to 70°C, condensate test (ISO 6270) confirmed, highly chemical durability |
| | nanoseal B4 NV | grey 4,6:1 | 70°C 110°C | liquid | 40 | 16 h 36 h | 1,70 | 80 - 85 | 50 000 | 5 h | 27 N/mm² 82 N/mm² | like B4 but lower viscosity for rolling and optimized chemical resistance; excellent resistance during salt-spraying-test |
| | nanoseal B4 EE | grey 0,607 : 1 | 45°C 80°C | liquid | 45 | 24 h 48 h | 1,20 | 40 | 200 000 | 8 h | 14 N/mm² | like B4 but setted highly elastic. For application with high impact burden. |
| | nanoseal B4 TF | grey 8:1 | 70°C 130°C | liquid | 30 | 16 h | 1,70 | 80 - 85 | 100 000 | 5 h | 27 N/mm² 82 N/mm² | like B4 but highly temperature resistant. |
| | nanoseal B4 NV SF | grey 3,5:1 | 45°C 80°C | liquid | 40 | 24 h 48 h | 1,50 | 70 - 75 | 150 000 | 5 h | 21 N/mm² - N/mm² | like B4 extraordinarily high impact resistance combined with high hardness |
| Antistick coating, liquid, putty | nanoseal B4AH-7 | white 8,9:1 | 50°C 90°C | liquid | 40 | 24 h 72 h | 1,60 | 76 - 82 | 200 000 | - | - | Wear resistant coating with anti stick charakter |
| | nanoseal B3 AH-7 | grey/ 2,8:1 | 50°C 90°C | liquid | 30 | 24 h 72 h | 1,4 g/cm³ | > 80 | - | - | - | good antistick character, adoption for protection against adhesion with very good wear protection character at the same time; in comparison to B4AH-7 less ceramic and smoother surface |
| Maintenance, mechanical engineering | nanoseal B6 | grey 5:1 | 80°C 160°C | putty | 20 | 8 h 16 h | 2,20 | 85-88 | putty | 3 h | 31 N/mm² 89 N/mm² | machinable material with high expiration consistency Reparation of worn metall parts (roller etc.) |
| | nanoseal K14 | white/grey 2,8:1 | 60°C 80°C | liquid | 30 | 16 h 24 h | 1,60 | 80-85 | 40 000 | 5 h | 27 N/mm² 82 N/mm² | highly wear resistant pottant for mechanical engineering very good adhesion on Fe + Alu completion of holes, fixing and adaption on spare parts of machines instead of complex handling times |
| Poly-urethan | nanoseal CTF | white/black 4,85:1 | 50°C 80°C | liquid | 7 | 16 h 72 h | 1,10 | Shore A 75 | liquid | 2 h | 12 N/mm² | nanoseal CFT provides high protection against particle erosion, even if the impact is performed vertically. Applications: e.g. pumps, zylone, chutes |
| | nanoseal CTF+ | white/black | 50°C 80°C | putty | 7 | 16 h 72 h | 1,1 | Shore A 75 | putty | 2 h | 12 N/mm² | Nano-Seal CTF+ provides high protection against particle erosion, even if the impact is performed vertically. In many cases Nano-Seal CTF+ replaces the wear protection by ceramic tiles or rubber linings |
| Resin | nanoseal TB Flex S | ivory 1:1 | 50°C 130°C | putty | 30 | 10 h 48 h | 1,4 | 70 | putty | - | - | AdhesiveTB Flex S is used to fix ceramic tiles on steel, concrete or similar. Adhesive TB Flex S also has good wear protection features in case of particle erosion |
| | nanoseal TB S TR | ivory 1,5:1 | 90°C 160°C | putty | 20 | 10 h 48 h | 1,4 | 85 | putty | - | - | Adhesive TB Flex S-TR is used to fix ceramic tiles on steel, concrete or similar. Adhesive TB Flex S is particularly used if high chemical resistance is required. |