



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
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 surfacence 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. Has to be tempered for 2 hours at T=90°C .
	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 character
	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 maschines instead of complex handling times
Poly-urethan	nanoseal CFT	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 CFT+	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 CFT+ provides high protection against particle erosion, even if the impact is performed vertically. In many cases Nano-Seal CFT+ 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.