



# Benchmarking across H.B. Fuller technologies

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## Thread locking

T = Threadlocking

M = Medium viscosity

11 = Low strength

Product	Specification / Properties	Some Cross references(*)
TM 11	Easy to dismantle tread-locker; for precision screws	Loctite 222, Loxeal 24-18, Born2Bond TA-22
TM 44	For locking and sealing of threaded fasteners, which can be disassembled with standard hand tools. NSF approved.	Loctite 241, Loctite 242, Loctite 243, Loxeal 55-03, OmniFIT 50M, Born2Bond TA-43
TM 66	For permanently locked screws, studs etc. NSF approved.	Loctite 270, Loxeal 83-54, omniFIT 200M, Born2Bond TA-70
TH 62	For locking and sealing of threaded joints, which don't require dismantling	Loctite 262, Loctite 586, Loxeal 55-04
RL 65	Very low viscosity, wicking grade, also for post application	Loctite 290, Loxeal 70-14, Born2Bond TA-90
ETM 44	For locking and sealing of threaded fasteners, which can be disassembled with standard hand tools. No risk labelling.	Loctite 2400, Loxeal 55-02, Born2Bond TA-WL Medium Strength
ETM 66	For permanently locked screws, studs etc. No risk labelling.	Loctite 2700, Loxeal 83-52, Born2Bond TA-WL High Strength

## Thread sealing

S = Sealing

H = High viscosity

22 = Low strength

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
SH 22	Easy to dismantle pipe and flange sealant and instant gasket	Loctite 567, Loxeal 18-10, OmniFit FD1042
SH 27	Pipe- and flange-sealing. Gas (UNI EN 751-1) and NSF approved.	Loctite 574, Loctite 577, Loxeal 58-11, OmniFit FD30, Born2Bond PA-77
SM 40	For hydraulic and pneumatic fine threads	Loctite 542, Loctite 569, Loxeal 53-14, Born2Bond PA-42
ESH 22	Easy to dismantle pipe and flange sealant and instant gasket. No risk labelling.	Loctite 572, Loctite 5400, Loxeal 18-10, Loxeal 58-12, Born2Bond PA-WL

(\*) It's just a guide line, you need to analyse the request and see if our product fulfill the requirements



## Flange sealing

S = Sealing

H = High viscosity

55 = Medium strength

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
SH 55	Flange-sealant, high viscosity	Loctite 510, Loxeal 59-10, Born2Bond GA-10
SH 58	High viscosity instant gasket; gap filling	Loctite 518, Loxeal 58-31, Born2Bond GA-18

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## Retaining

R = Retaining

L = Low viscosity

67 = High strength

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
RL 67	For cylindrical parts like bearings, shafts, rotors, studs etc.; low viscosity	Loctite 603, Loxeal 82-33, Born2Bond RA-03
RM 88	Temperature resistant -50 – 180 °C; for cylindrical parts like bearings etc.	Loctite 648, Loxeal 83-21, Born2Bond RA-48
RH 98	High temperature resistant -50 – 200 °C; for dynamic loaded parts like bearings, shafts, etc.	Loctite 620, Loxeal 86-86, Born2Bond RA-20
RH 99	Temperature resistant -50 – 180 °C high strength for bonding cylindrical fitting parts, particularly where bond gaps can approach 0.25 mm	Loctite 638, Loxeal 85-21, Born2Bond RA-38
ERM 88	Temperature resistant -50 – 180 °C; for cylindrical parts like bearings etc. No risk labelling.	Loctite 6300, Born2Bond RA-WL
TT 69	4 applications in 1: locking, retaining, pipe sealing, flange sealing; self dispenser. Gas (UNI EN 751-1) and NSF approved.	Loxeal 86-86

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## Instant adhesives

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
2006	Elastomer and Plastic Series: very fast Rubber to Rubber Adhesives with extremely good ageing properties. Reliable Plastic to Plastic applications and best choice for Rubber to Plastic combinations. NSF and Medical approvals available.	Loctite 406, Loxeal Instant 32, Sicomet 50
2011		Loctite 424, Sicomet 8400
2077		Loctite 416, Loxeal Instant 27, Sicomet 77
2800		Loctite 4062, Loxeal Instant 41
2999	Neomer Series: surface insensitive grades with very good results on acidic surfaces like wood, leather, cardboard etc. Higher viscosities are also suitable for porous materials like ceramic, china etc. NSF and Medical approvals available.	Loctite 454, Loxeal Instant 47, Sicomet Thixo
2150		Loctite 431, Loxeal Instant 45, Sicomet 5019/5044
2610		Loctite 401, Loxeal Instant 43S, Sicomet 5229
2600		Loctite 420, Loxeal Instant 20

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## Instant adhesives

Product	Specification / Properties	Some Cross references(*)
2004	Powerdrop Series: carefully stabilized, fast bonding Cyanoacrylates for Hobby and DIY applications. Medical approvals available.	Sicomet 702
2605		Loctite 495, Loxeal Istant 23, Sicomet 5063
2241	Xtraflex Series: partly flexible, rubber toughned Cyanoacrylates, for dynamic and temperature loaded bonds. These grades also guarantee a certain shock resistance. Very good results in metal to plastic and metal to rubber combinations. Medical approvals available.	Loctite 410, Loxeal Istant 29
2243		Loctite 438, Loctite 480, Loxeal Istant 29,
2244		Loctite 435, Loxeal Istant 73
2245		Loctite 4850, Loxeal Istant 55
2240		Loctite 4860, Loxeal Istant 74

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## Instant adhesives

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
1008	Metal Series: metal to metal, metal to rubber and metal to plastic bonding.	Loctite 430, Sicomet 85
1070		Loctite 496, Loxeal Instant 14, Sicomet 7000
1699		Loctite 415, Loxeal Instant 17
5500	Low odor Series: low odor, low blooming, low outgassing characteristics. Due to its chemistry, they have lower strength properties than e.g. Ethyl-esters. Medical approvals available.	Loctite 408, Sicomet 9000
5508		Loctite 460, Loxeal Instant 63, Sicomet 9010
5600		Loctite 403, Loxeal Instant 67, Sicomet 9020

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## Primers, activators and cleaners

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
9090	Activators for Instant Adhesives	Loctite SF 7452, Loxeal Activator 9
9096		Loctite SF 7457, Loxeal Activator 9
9097		Loctite SF 7458, Loxeal Activator 9
9056	Primer for Polyolefines	Loctite 770, Loxeal Primer 7, Born2Bond Primer
9191	Activator for Anaerobics	Loctite 7471, Loctite 7649, Loxeal Activator 18
9999	Multipurpose cleaner	Loctite 7063, Loxeal Cleaner 10

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## Elastic Sealing & Bonding (STP technology)

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Körapop 215	Can be extruded as a joint but also complete sprayable Very good thixotropy (spraying structure stays on place, low overspray) Good resistance to sand spray	Sikaflex 529 AT Terostat 9320
Körapop 216	Can be extruded as a joint but also complete sprayable, long overpaint time	Terostat 9302
Körapop 220	Exist in 290 ml cartridge. High Shore hardness with good elongation. EC1+ (very low emissions) and CE EN 15651 (building industry) approved.	Sikaflex 521 UV
Körapop 223	Low modulus version special destinate for Sealing applications Very good temperature resistance cold and warm	Sikaflex 515 Teroson MS 930
Körapop 225	Multipurpose product with a good balance between bonding and sealing. EC1 (very low emissions) and Foodstuff (ISEGA) approved. Faster skin formation version: Körapop 235. Plasticizer-free version: Körapop 257	Sikaflex 552 AT Teroson MS 935
Körapop 235	High strength adhesive destinated for strong bonding Very good resistance to temperature and humidity.	Teroson MS 9120 SF
Körapop 240	High strength adhesive destinated for strong bonding Very good resistances special to temperature and humidity. UNI EN 45545 (EN45545-2 R1/R7 HL3) approved for Rail Industry.	Sikaflex 554 Teroson MS 9360 Teroson MS 9220 Teroson MS 939

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## Elastic Sealing & Bonding (STP technology)

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Körapop 330	Multipurpose product. High grip and very fast handling. EC1 approved (very low emissions)	Sikaflex 545 Teroson MS 937
Körapop Alu	Aluminium color. Fungus and good weathering resistances. Approved VDI 6022/ISO 846 for HVAC applications	Sikaflex 522
Körapop Transparent	For visual clear applications. Very good mechanical properties. Foodstuff approved (ISEGA).	Sikaflex 112 Crystal Clear Teroson MS 934
Körapop 225/2K	Booster version of Körapop 225 Mixing ratio by volume 10:1 or 50:1 4 booster systems: Köracur 350 and Köracur 310 N (normal), 310 L (slow), 310 SL (very slow)	Sikaflex 950 Sikaflex 953 Teroson MS 9222
Körapop 240/2K	Booster version of Körapop 240. Mixing ratio by volume 10:1 or 50:1. 4 booster systems: Köracur 350 and Köracur 310 N (normal), 310 L (slow), 310 SL (very slow). UNI EN 45545 (EN45545-2 R1/R7 HL3) approved for Rail Industry.	Teroson MS 9399
Körapop 250	Very high strength adhesive Required for special high bonding Due to his high crosslinked structure, needs an air humidity > 30%	Saba Sealtack 790

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## Elastic Sealing & Bonding (PU technology)

Product	Specification / Properties	Some Cross references(*)
Körapur 030	Multipurpose adhesive and sealant. Excellent cohesion, elongation at break and moisture resistance. Not classified as a dangerous product. CE EN 15651 (building industry) and Foodstuff (ISEGA) approved.	Sikaflex 621
Körapur 125	Multipurpose, standard adhesive and sealant. Good weather and temperature resistance. Foodstuff (ISEGA) approved.	Sikaflex 221 Teroson PU 92 Teroson PU 9100 Kleberit 566 Supracraft
Körapur 140	High strength elastic adhesive. Good mechanical properties Very good temperature and weather resistances. Foodstuff (ISEGA) approved.	Sikaflex 252 Sikaflex 260

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## Structural Bonding (2K-PU technology)

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Körapur 648	Low viscosity adhesive Special destined for potting	SikaForce 7720 Makroplast 8107
Körapur 666	Multipurpose thixotropic adhesive (non sagging). Good weathering resistance and less sensitivity on humid substrates. Several pot-life versions and mixing cartridge available. IMO approved.	SikaForce 7720 Loctite UK 8303
Körapur 672	Multipurpose thixotropic adhesive. Good weathering resistance and less sensitivity on humid substrates. Several pot-life versions available. UNI EN 45545 (EN45545-2 R1/R7 HL3) approved for Rail Industry. IMO approved.	SikaForce 7710 Loctite UK 8302 Loctite UK 8103
Körapur 840	Thixotropic adhesive (non sagging) Impact resistant due to better elongation rate as Körapur 666. Several pot-life versions and mixing cartridge available. IMO approved.	SikaForce 7752
Körapur 842	Thixotropic adhesive (non sagging) Good impact resistant and flexible at low temperatures Several pot-life versions and mixing cartridge available.	SikaForce 7888 Loctite UK 8306

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## Structural Bonding (2K-PU technology)

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Körapur 784	Chemical thixotropic adhesive Very good properties, good resistances to temperature and special exposures Short to very short pot-life	SikaPower 2920 or 2925 Teroson PU 9225 Teroson PU 6700
Körapur 790	Chemical thixotropic adhesive Very good weather resistance Middle pot-life. IMO approved.	SikaForce 840

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## Structural Bonding (2K-Epoxy technologie)

Product	Specification / Properties	Some Cross references(*)
Körapox 735	Middle viscosity, liquid adhesive Very good properties, good resistances to temperature Very good adhesion on mineral substrates Pot-life: 5 minutes	Loctite EA 3430
Isamet 8268	High viscosity, liquid adhesive Very good properties, good resistances to temperature Very good adhesion on mineral substrates special on metal Pot-life: 60 minutes	Loctite EA 3422 or EA 3423 or EA 9466 Terokal 5055

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## Liquid Moisture Curing (1K-PU technologie)

Product	Specification / Properties	Some Cross references(*)
Icema 145/12	Purpose low viscosity, liquid adhesive for panels and wood assembly (sandwich panels) IMO certificate Middle open time	SikaForce 7110 Lxx Loctite UR 72xx or UR 73xx
Icema 1456	Low to middle viscosity For metal and plastic part bonding Middle to long open time	Loctite UR 7220 or UR 7225
Icema R 145/88	Thixotropic version for an application from a cartridge Fast curing for assembly. Short open time Exist with a 4 classification under Körapur 241 f	

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## Butyl technologie (Solvent based)

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Ködiplast CS	Pseudo plastic rubber Excellent weather resistance Water vapour tight For construction and industrial applications	Sikalastomer 710 Teroson RB 2759
Ködiplast CT 100	Similar to plastic rubber Excellent weather resistance Surplus material can easily be removed For transportation and industrial application	Sikalastomer 710 Black Teroson RB 2750

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## Silicone technologie

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Ködisil A	Neutral silicone, Alcoxy based Good weathering and water resistances Large spectrum of adhesion Neutral smell	Loctite SI 595 and SI 5980 Ottoseal S 7
Ködisil N	Neutral silicone, Oxime based MEKO free and fungicide protection Excellent weathering resistances Low odour. CE EN 15651 (building industry) approved.	Loctite SI 5910 Novasil S 56 SP 5241 Sikasil Pool
Ködisil HAC-A	Acetoxy silicone Very high resistance to water, salt water, saline solutions, cleaning agents Special destinate for aquarium construction	Ottoseal S 28 Loctite SI 5366
Köditec 114	Acetoxy silicone Excellent temperature resistance (up to 350°C short time) Very good chemical resistances (motor oil, cooling liquids, etc.)	Loctite SI 5990

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## Activators, Primers & additifs

Product	Specification / Properties	Some Cross references <sup>(*)</sup>
Körabond HG 17	Black primer for UV protection in direct glazing application Purpose primer for metal and plastics Increase the resistances for the bonding with PU and STP	Sika Primer 206 G+P Sika Primer 209 D Sika Primer 207 Teroson Bond Black primer
Körabond HG 81	Wash primer Purpose surface activator for elastic Körapur sealant and bonding Fluorescent for a better control	Sika Activator 100 Sika Activator 205
Körabond HG 83	Wash primer Purpose surface activator for elastic Körapop sealant and bonding Exist also with a fluorescent tracer for a better control (FL Version)	Sika Activator 100 Sika Activator 205
Körabond HG 92	Film-forming primer Allows to increase the adhesion and resistance for our Körapur and Körapop ranges Fluorescent for a better control	Sika Primer 210
Köratool AM 10	To smooth the surfaces of fresh applied sealants	Sika Tooling Agent N

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# Thank you for your attention!



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