

Assembly

With its rich history in adhesive and sealant technologies, Bostik has extensive in-house expertise in the bonding and sealing of a wide variety of materials. Extensive material know-how is an absolute must when it comes to achieving reliable and durable bonding. We also provide consultation with regard to system solutions in the area of (automated) adhesive applications. Due to the refined analysis and test equipment available at our R&D Department, we are able to provide substantiated opinions on the mechanical properties and the durability of the bonded materials. Bostik has extensive adhesive and sealant solutions available for applications, including the assembly of electronic components, cable coatings, the assembly of loudspeaker housings, the assembly of various gas and liquid filters and adhesives/sealants for solar panels and windmills.

ASSEMBLY



SIMSON SMP ADHESIVES AND SEALANTS: ISOCYANATE-FREE ELASTIC ADHESIVES AND SEALANTS

Product	Base	Skin formation (min.)	Shore A	Tensile strength (MPa)	Elongation at break (%)	Characteristics
ISR 70-01	SMP	30	26	1,7	300	Universal sealant.
ISR 70-03*	SMP	10	55	2,6	250	Universal adhesive/sealant.
ISR 70-09*	SMP	10	60	2,9	200	Universal adhesive with high green strength.
ISR 70-10	SMP	20	35	1,7	150	Transparent sealant.
STR 350	SMP	15	50	1,8	180	Universal adhesive/sealant.
STR 360	SMP	10	57	2,7	180	Universal adhesive with high green strength.

* Also suitable for Dual SMP system.

CONTACT SPRAY ADHESIVES

Product	Base	Viscosity (mPa*s)	Dry contents (%)	Open time 2-way (min.)	Characteristics
Cofix S	PCP	600	19	30	Universal contact spray adhesive, high thermal resistance.
Novaflex 80/81	SBR	200	28	15	Universal contact spray adhesive, single-way adhesive power.
Evo-Stik 18149	SBR	250	35	60	Contact spray adhesive, non-flammable.
Novaflex 61316	Latex	2,000	58	20	Solvent-free contact spray adhesive, good initial tack and high green strength

CONTACT ADHESIVES

Product	Base	Viscosity (mPa*s)	Dry contents (%)	Open time (min.)	Characteristics
Vynicol 1520*	PU	2,600	20	15	Contact adhesive with excellent plasticizer resistance.
Bostik 1475	Nitril	3,100	23	10	Contact adhesive with excellent plasticizer resistance.
Cofix	PCP	2,000	24	30	Universal contact adhesive.
* Fixdur 100	hardener	n/a	n/a	n/a.	Hardener for contact adhesives, for extreme performance.

ADHESIVES AND SEALANTS

WHITE WOOD ADHESIVES

Product	Base	Viscosity (mPa•s)	Dry contents (%)	Open time (min.)	Characteristics
ALFO DG 45	PVAc	9,000	50	5	White wood adhesive for interior bonding (D2).
ALFO DN 45	PVAc	12,000	50	5	White wood adhesive with improved moisture resistance (D3).
ALFO DN 200	PVAc	6,500	48	7	White wood adhesive for exterior bonding applications (D4), ready-for-use.

1 - C PU ADHESIVES

Product	Base	Viscosity (mPa•s)	Pressing time (hours)	Open time (min.)	Characteristics
Marocol PU1/D124	PU	5,000	8	70	Universal moisture-curing construction adhesive, long open time.
Novaflex XPU 18375	PU	3,500	6	15	Universal moisture-curing construction adhesive, short open time.
Marocol 61120	PU	6,000	3	50	Universal moisture-curing construction adhesive, short pressing time.

2 - C PU CONSTRUCTION ADHESIVES

Product	Mix ratio (weight)	Viscosity (mPa•s)	Pot life (min.)	Pressing time (hours)	Open time (min.)	Characteristics
Marocol PU2D/430	100 : 20	4,000	100	8	150	Universal low-viscosity construction adhesive with long open time.
Marocol PU2D/480	100 : 16	Thixotropic	115	8	200	Universal thixotropic construction adhesive with long open time.
Marocol XPU 61109	100 : 20	2,500	15	3	110	Universal low-viscosity construction adhesive, short pressing time.
Topfix XPU 18018	100 : 71	Thixotropic	7	n/a	9	Fast construction adhesive, deliverable in 2C cartridges.
Hardener 4300	n/a	n/a	n/a	n/a	n/a	Hardener for Marocol/Marothaan.

2 - C PU FLOOR COATING SYSTEMS

Product	Mix ratio (weight)	Viscosity (mPa•s)	Density (kg/l)	Pot life (min.)	Curing time (hours)	Characteristics
Marothaan	100 : 22,5	4,500	1,54	55	48	Self-levelling floor coating system, TNO certified for food contact. Can be made non-slip with Mandurax.
Marocoat Hardener 4300	100 : 24 n/a	Thixotropic n/a	1,54 n/a	45 n/a	4 n/a	Non-slip coating for Marothaan. Hardener for Marocol/Marothaan.

PUR HOT MELTS

Product	Base	Viscosity (mPa•s)	Open time (min.)	Application temp. (°C)	Curing time (hours)	Characteristics
Supergrip 9224	PU	20,000 (90 °C)	15	90-110	72	Reactive hot melt for laminate applications (insulation materials and prefab doors, among others).
Supergrip 9220	PU	7,000 (90 °C)	15	80-100	72	Reactive hot melt for laminate applications (insulation materials, among others).
Supergrip 9806	PU	12,000 (120 °C)	2	100-130	72	Reactive hot melt for rigid insulation materials, constructive, roll application.
Supergrip 9850	PU	35,000 (130 °C)	3	120-140	72	Reactive hot melt for rigid insulation materials, constructive, roll application.

ADHESIVES AND SEALANTS

THERMOPLASTIC HOT MELTS

Product	Base	Viscosity (mPa·s)	Open time (sec.)	Softening point (°C)	Characteristics
TEF 219	EVA	1,000 (170 °C)	4-5	95-103	Fast setting hot melt.
Thermogrip F459	EVA	1,250 (170 °C)	15	95	Fast setting hot melt for various assemblies.
H3188-01	APAO	3,300 (170 °C)	90	79 – 102	Wide bonding spectrum, long open time. Excellent moisture resistance. Universally applicable.
XT19099	APAO	1,000 (175 °C)	120	105	Wide bonding spectrum, long open time, particularly suitable for the assembly of mattresses.
Thermelt 456	PA	35,000 (170 °C)	30	104-115	Wide bonding spectrum, medium open time, high elasticity. Can be used at low temperatures (-30°C).
Estergran 1302	PES	35,000 (240 °C)	15	154-161	Excellent heat and chemical resistance (oils, fats and plasticizers).

SELF-ADHESIVE HOT MELTS (HMPSA)

Product	Base	Viscosity (mPa·s)	SAFT (°C)	Softening point (°C)	Characteristics
TLH 4280 E	SBC	11,000 (160 °C)	74	90	Universal hot melt for permanent bonding applications, excellent cold tack. Particularly suitable for making insulation materials self-adhesive.
TLH 2187 EM	SBC	15,000 (160 °C)	81	105	Universal hot melt for permanent bonding applications, excellent cohesion.
TLH 2355E	SBC	9,000 (160 °C)	73	90	Self-adhesive hot melt for non-permanent bonding applications (removable).
TLH 2192 E	SBC	22,000 (160 °C)	80	106	Self-adhesive hot melt with fire-retardant properties.
TLH 2259 E	SBC	14,000 (160 °C)	69	98	Self-adhesive hot melt, especially suitable for use at low temperatures (-25 °C).

EPOXY ADHESIVES

Product	Mix ratio (mass)	Viscosity (mPa·s)	Pot life (min.)	Open time (min.)	Curing time (hours)	Characteristics
Eponal 376	100 : 60	2,250	45-60	n/a	24	Liquid, wear-resistant epoxy coating.
Topfix NA41	1 : 1	10,000	3	5	0.4	Liquid, high strength epoxy adhesive, available in cartridges.

CYANOACRYLATE ADHESIVES

Product	Base	Viscosity (mPa·s)	Flash point (°C)	Pressing time (sec.)	Characteristics
Super Quickfix	cyanoacrylate	20-40	87	5-30	Fast-acting adhesive for various bonding applications.

ADHESIVES AND SEALANTS

PRIMERS AND CLEANERS

Product	Cleaner/Primer	Drying time (min.)	Flash point (°C)	Characteristics
Cleaner I	Cleaner	5	12	Universal cleaner (mild).
Cleaner 14	Cleaner	5	-6	Universal cleaner (strong).
Prep M	Cleaner + primer	5	9	Universal cleaner and primer in one (wash primer).
Prep G	Primer	5	-1	Black primer to provide a UV screen.
Prep K	Primer	5	0	Special primer for various synthetic materials.
Primer MSP	Primer	60	<21	Special primer for stony materials.
Primer 209	Primer	480	>200	2-C primer for Marothaan floor coatings.

EQUIPMENT AND ACCESSORIES

Product	Manual/ Pneumatic	Application	Characteristics
SOP 215 caulk gun	Manual	cartridges	Easy-to-use sealant caulk gun for light gunability sealants/adhesives (cartridges).
H45 caulk gun	Manual	cartridges	Durable hand caulk gun for heavy gunability adhesives (cartridges).
PZ600 caulk gun	Manual	600 ml sausage	Closed hand caulk gun for applying sealants/adhesives in 600 ml sausages.
T-16 caulk gun	Pneumatic	cartridges	Half-open caulk gun for pneumatic applying of sealants/adhesives (cartridges).
APG-600 caulk gun	Pneumatic	600 ml sausage	Closed hand caulk gun for the pneumatic applying of sealants/adhesives in 600 ml sausages.
Dual SMP caulk gun	Pneumatic	Dual SMP	Closed hand caulk gun for the pneumatic applying of Dual SMP.

ADHESIVES AND SEALANTS



PACKAGING

Various types of packaging are available. Please contact Bostik B.V. for more information.

BOSTIK ADHESIVES AND SEALANTS

Bostik operates as an independent subsidiary of the Total oil and gas company. Leading adhesives manufacturer Bostik is globally active in the development, manufacture and sales

of a wide range of high-quality adhesives and sealing agents for professionals. Worldwide, Bostik employs over 5,000 people, and has 48 production sites and sales offices.

INFORMATION

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