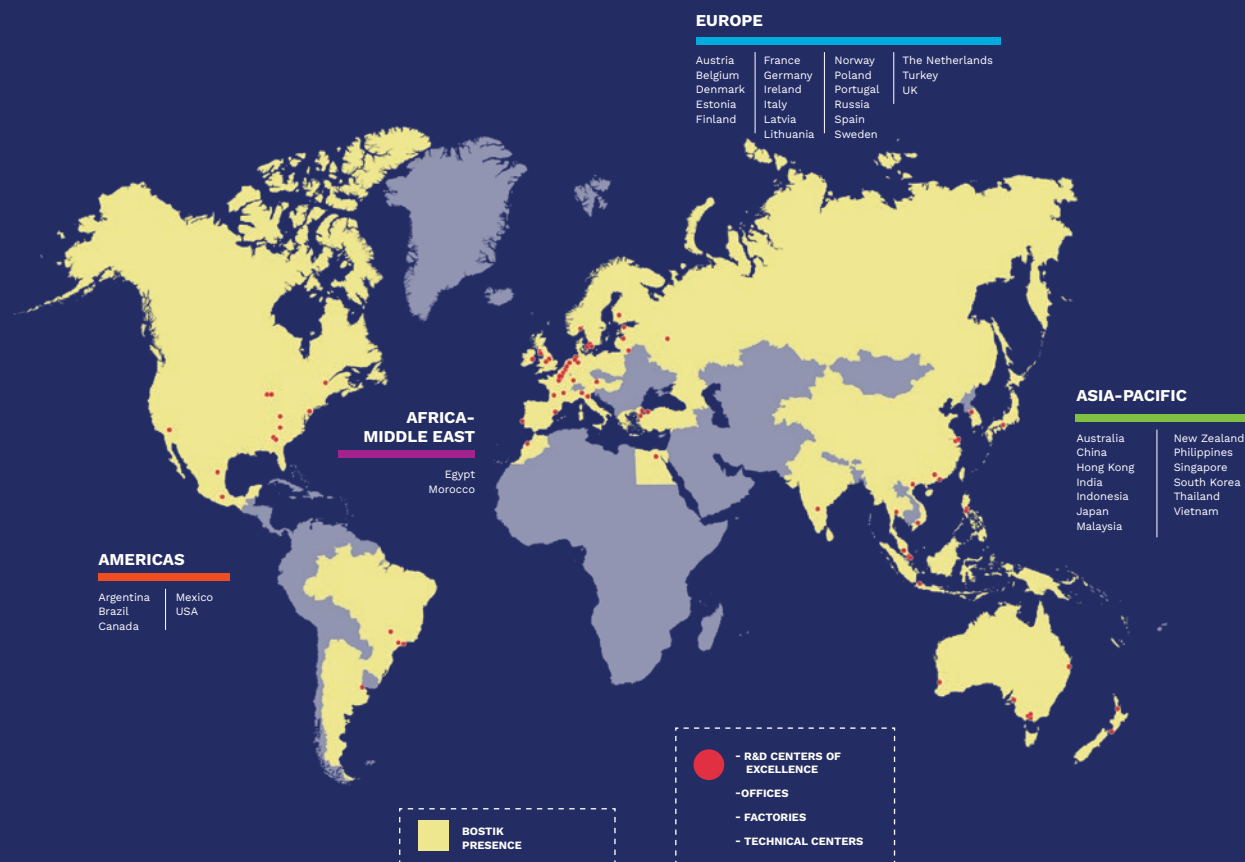




ATTACHED TO YOUR WORLD

Flexibility and durability serving structural bonding

SAF METHACRYLATE ADHESIVES



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Adhesive solutions by **ARKEMA**

The SAF Range, MMA Adhesive Technology

Finding an innovative solution to answer the several constraints of industrial bonding can be sometimes challenging. Our laboratory has successfully developed a range of structural adhesives with excellent technical properties to meet the highest requirements.



Designed with patented methacrylates technology, our SAF range shows unmatched performance in terms of resistance and flexibility. These adhesives have been designed for bonding a wide range of dissimilar substrates including metals and plastics as well as composite materials for industrial applications. The outstanding properties of the SAF range allow structural bonding while keeping flexibility and fatigue resistance. From the flexible range (230% elongation) to the hyperstructural (30% elongation), they show open times from one minute to 90 minutes to fit your specific needs.

SAFE ADHESIVE

Our permanent objective is to imagine solutions that make our world safer, more flexible, efficient and responsive to the dynamic challenges of our environment. The SAF products have been developed to resist the most aggressive environments and show unprecedented results facing weathering and ageing.



APPLICATIONS

SAF Adhesives allow to bond a wide range of dissimilar materials and a large number of substrates including:

COMPOSITES

The SAF range offers numerous solutions to meet the increasing challenge of weight reduction by using composites. SAF low exotherm and thixotropic properties allow large gap filling, applications on vertical surfaces and no read through.

METALS

The SAF range is designed to bond a variety of metals like aluminium, steel, stainless or galvanized steel with low surface preparation. SAF high elasticity allows to support differential thermal expansion for hybrid bondings and avoid read through to aesthetic surfaces.

PLASTICS

The SAF range allows to bond numerous plastics including ABS, PMMA, PVC, PC and others. SAF ability to bond other materials makes possible to assemble plastic parts to metals, glass and composites.



FEATURES AND BENEFITS

- Excellent environmental and chemical resistance
- Primerless
- Permanent toughness and high elongation
- Minimal surface preparation
- Wide service temperature range
- Non-sag, application on vertical surface
- Wide range of open and curing time
- Unique resistance to aggressive environments
- Production efficiency, reduce consumable
- Very high elongation and impact resistance even after ageing
- Time and cost reduction
- Usage between -40°C to 150°C, while keeping mechanical properties. Up to 220°C for 25min powder coating
- Remains in position when applied on vertical or overhead surfaces. Keep in shape
- Selection to fit application and process requirements

ADHESIVE SELECTION GUIDE

For optimal results, choose the appropriate Bostik innovative solution best suited for your particular application.

PRODUCT	KEY FEATURES-SPECIFICITY	MIX RATIO (VOL.)	VISCOSITY	OPEN TIME ⁽¹⁾ (MINS)	FIXTURE TIME ⁽¹⁾ (MINS)	ELONGATION (%)	LAP SHEAR STRENGTH (MPa)	MODULUS (MPa)
SAF30 5 ^(2/3)	Structural, High modulus, Ultra fast curing, 3 MPa at 100°C	1/10	Non-sag	2-4	8	25-30	22	800-1000
SAF30 15 ^(2/3)	Structural, High modulus, Ultra fast curing, 3 MPa at 100°C	1/10	Non-sag	7	15-17	25-30	22	800-1000
SAF30 45 ^(2/3)	Structural, High modulus, Medium curing, 3 MPa at 100°C	1/10	Non-sag	25	30-60	25-30	22	800-1000
SAF30 LOT ^(2/3)	Extended long open time, High strength resistance, Very high gap filling	1/10	Non-sag high gap filling	90	100-135	70	19	400-550
SAF30 MIB ^(2/3)	High strength, Temperature performance under stress, Wide range of metal	1/10	Non-sag	10	15-30	50-60	17	450-600
SAF Ultimate 5	Ultra fast curing for all type of material	1/10	Non-sag	1-3	4-6	60	12	400-600
SAF Ultimate 10 ^(2/3)	Metal Bonding, High impact resistance, Fast curing	1/10	Non-sag	5-8	10-12	110	19	600-900
SAF Ultimate 15 ^(2/3)	High strength resistance, High impact resistance	1/4	Non-sag	6-7	10-15	120	14	200-300
SAF Ultimate 25 ^(2/3)	Metal Bonding, High impact resistance, Medium curing	1/10	Non-sag	15-22	25-30	150	15	600-700
SAF150 10 RAL9001	Structural bonding for all type of substrate, Glass bonding	1/10	Non-sag	2	5-6	150	8-10	30-50
SAF150 15 ⁽³⁾	Structural bonding for all type of substrate	1/10	Non-sag	7	15-17	150	16	350-450
SAF150 45 ⁽³⁾	Structural bonding for all type of substrate	1/10	Non-sag	25	30-60	150	16	350-450
SAF400 15	Large area bonding, Very high elongation, Medium curing time	1/10	Non-sag	7	15-17	230	8	4-6
SAF1023	Crystal clear, Ultra fast curing	1/1	Medium	45-70 (s)	3	5	13	200-250

The above list is only a small part of the Bostik product range. Others are available on demand. Please consult Bostik for further assistance

⁽¹⁾ @23°C
⁽²⁾ Homologated BV Marine for structural applications
⁽³⁾ Homologated EN45 545, HL3 for R1 requirement