



BOSTIK

ATTACHED TO YOUR WORLD

LAMINATING
ADHESIVES & COATING AND SEALING
SOLUTIONS

• FOR FLEXIBLE MATERIALS •



Adhesive solutions by **ARKEMA**

Summary

Bostik

**Your partner for
flexible materials
adhesive solutions**

Coating and sealing solutions

for flexible materials

Heat Seal

Cold Seal

Reseal

Laminating adhesives

for flexible materials

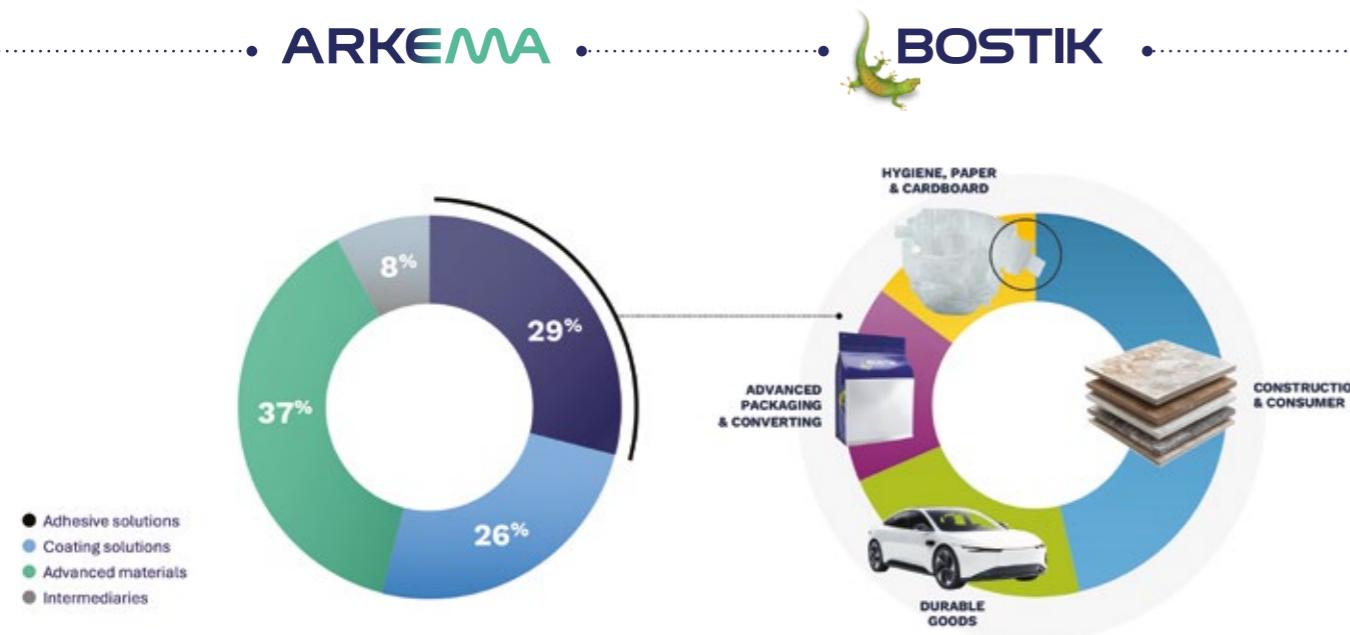
Water Based

Solvent Free

Solvent Based



Bostik is **the adhesive solutions segment of Arkema**



Offering **high performance adhesives** with a **strong sustainability DNA**

With the Bostik Sustainability Enablers program



RESPONSIBLE MANUFACTURING

Transforming our operations to reduce our environmental footprint

INNOVATIVE SOLUTIONS

Empowering our ecosystem through high performance lower impact solutions

TRUSTWORTHY COLLABORATION

Building relationships based on transparency and open dialogue

With a strong **packaging expertise**



Reinforced by **strategic acquisitions**



Positioning Bostik as **a market leader**

Bostik your partner for **Flexible Materials Converting**

01

ALL YOUR NEEDS COVERED BY ONE PARTNER

Get tailored solutions from our extensive portfolio

- Covers a wide range of technologies for standard to high performance applications
- Meets your varying technical requirements
- Aligned with local standards to achieve your regulatory and sustainability goals

Benefit from trusted brands

- Established and trusted brands: TURBO-SEAL™, M-RESIN™, VITEL™
- New additions: ADCOTE™ and MOR-FREE™

02

BENEFIT FROM OUR GLOBAL FOOTPRINT

Global services available for you

- Available across all regions: Americas, Europe, India, Middle East and Africa and Asia Pacific region
- Comprehensive support: R&D, technical support, marketing and sales

Serve all your regions with our global footprint

- Support your growing needs with our expanded manufacturing capacities in India and China
- Leverage our strengthened Centers of Excellence in Europe and North America
- Enhance your product performance with advanced chemical engineering capabilities

03

RELY ON A STRONG ADHESIVE EXPERT

Partner with the Arkema group

- A strong international leader
- Seamless operational support through integrated purchasing and supply chain
- Sustainability at the core: delivering innovative materials for a sustainable world

Your adhesive expert

- Your needs are our core competence, business and priority
- Benefit from a specialist approach through co-development and partnerships



Coating and sealing solutions

for flexible materials



01

Heat Seal

02

Cold Seal

03

Reseal

APPLICATIONS



Dairy



Fresh produce lidding



Dual - ovenable lidding



Condiment lidding



Health care



Shrink label

Bostik's heat seal coatings cover food, medical, and label applications, delivering reliable performance across general and specialty applications.

Available in extrudable, water based, and solvent based formulas, they integrate seamlessly into coating or extrusion lines.

PACKAGING PERFORMANCE

Broadest range of sealing solutions to seal to most substrates (PET, PS, PP, PE, paper, Tyvek) and meet customer's requirements in food and healthcare markets:

- Sealing through contaminated surface
- Chemical resistance for challenging food applications
- Antifog properties for high-moisture refrigerated products
- Customisable peel behavior – from lock seal to easy peel

OPERATIONAL EFFICIENCY

- Solutions designed for both extrusion and SB/WB coating lines
- Extrudable solutions that streamline process steps, reducing costs
- Formulations with multiple functional properties (e.g. heat seal and antifog) to minimise production steps and limit material usage

ENVIRONMENTAL PERFORMANCE

- Coatings designed to enhance monomaterial recycling rates and support circularity
- Extrudable solutions that enable one-pass adhesive application, reducing carbon emissions
- Customizable for ongoing overall film structure downgauging

Bostik Heat Seal portfolio

Solvent Based

Product	Key features and applications
ADCOTE™ 17-3	• For PET and aluminum foil sealing to PET, APET, Foil or PVC for applications like peelable lidding for dairy
ADCOTE™ 76H5M EA	• For PET and Aluminum foil sealing to PET, APET, Foil or PVC
ADCOTE™ 33R2B MEK	• For aluminium foil and PET sealing to PET or PVC
ADCOTE™ 43C-1	• Vinyl copolymer • For aluminium foil, sealing to vinyl and paper • For bank notes and credit cards
MORPRIME™ series	• Grafted or homopolymers • For metal sealing to polypropylene
VITEL™ VSOL 2200EA	• For food, dairy and medical • Also suitable for internal can coating and industrial applications
VITEL™ VSOL 2700EA	• Pigment binder for inks, primers or clear topcoats • Typically applied from ethyl acetate solution
	• Foil and PVC compatible, ideal for blister packaging applications • Typically applied from ethyl acetate solution

Water Based

Product	Key features and applications
ADCOTE™ 37 P 295 E	• For food (snack confectionary, outer wraps, bouillon cubes) and nonfood applications (in-mold labelling)
ADCOTE™ 37 R 972 E-42	• Translucent aesthetic • Low activation temperature
ADCOTE™ 37 R 345-PS	• For food (snack confectionary, outer wraps, bouillon cubes) and nonfood applications (in-mold labelling)
ADCOTE™ 37 R 929-PS	• Clear and glossy aesthetic • Low activation temperature
ADCOTE™ 37-220 formerly ROBOND 37-220	• For food and medical applications involving sterilization
ADCOTE™ 37F1 E	• For food and nonfood applications • Ideal for skin board packaging
	• Also suitable as a primer • High activation temperature
	• For food and medical (sterile products wrap) applications • Also suitable for lidding
	• High hot tack • Good grease and oil resistance • Moisture resistant
BOSTIK™ HSL2315	• For food and medical (sterile products wrap) applications • Suitable for lidding
	• Excellent for paper/foil structure • Suitable for metallization and as a primer • High hot tack
	• Moisture, grease and oil resistance • Lower activation temperature than 37-220
	• Higher solid content than 37F1 E

Primers

Product	Key features and applications
ADCOTE™ 43C-1	• For aluminum foil to improve ink adhesion • For industrial application
ADCOTE™ 37F1 E	• For foil substrates and metallization • Can be used in-line and off-line • Compliant for direct food contact
BOSTIK™ HSL2315	• For foil substrates and metallization • Can be used in-line and off-line • Compliant for direct food contact
	• Higher solid content than ADCOTE™ 37F1 E

VITEL™ Copolyester Resins

Product	Key features and applications
VITEL™ 1200	• Blown film heat seal layer for PET trays
	• Compatible with M-RESIN™ for resealable lidding films
VITEL™ 1266	• Blown film heat seal layer for PET trays • Compatible with M-RESIN™ for resealable lidding films
	• Easy handling, drying and processing • Lower activation temperature
VITEL™ 1921	• BOPET cast-stretched extrusion for peelable PET lidding films
	• Food-compliant and suitable for oven-heating
VITEL™ 1922AF	• BOPET cast-stretched extrusion for peelable PET lidding films
	• Food-compliant and suitable for refrigerated applications • Antifog properties
VITEL™ 2200	• Ready-to-use or customizable for sealing on PET and aluminium foil in lidding applications
	• All purpose for lock seal, ink priming, paper and film metallization, topcoats and internal can coatings
	• High activation temperature
VITEL™ 2700	• Ready-to-use or customizable for sealing to PET and aluminium foil in lidding applications
	• All-purpose coating for lock seal, ink priming, paper and film metallisation, topcoats and internal can coatings • Lower activation temperature
VITEL™ 3350	• Flexible laminating resin with excellent UV and abrasion resistance
	• Compatible with PE, vinyl, metals and treated olefin substrates

Selecting a Heat Seal

LIQUID					COPOLYESTER		HOT MELT	
ADCOTE™ – MORPRIME™ – VITEL™ – BOSTIK™					VITEL™	VITEL™	BOSTIK™	BOSTIK™
ETHYL VINYL ACETATE	IONOMER EMA/EAA	VINYL ACRYLIC	MALEATED PP MORPRIME	POLYESTER	SOLVENT BASED RESINS		ETHYLENE COPOLYMER	
SOLVENT BASED	SOLVENT BASED	SOLVENT BASED	SOLVENT BASED	SOLVENT BASED	SOLVENT BASED RESINS		ETHYLENE COPOLYMER	
WATER BASED	WATER BASED				SOLVENT BASED FORMULATED POLYESTER		EXTRUSION RESINS	

02 Cold Seal

APPLICATIONS



Confectionery



Bakery



Ice cream



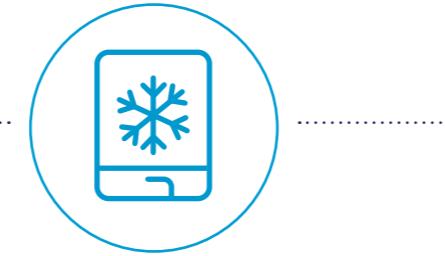
Overwrap



Medical

Bostik's cold seal coating formulas are compatible to various substrates and applications, including mono-web and laminated structures.

A combination of natural rubber latex with proprietary synthetic polymers for a consistent high-performance sealing and dependable seal integrity.



PACKAGING PERFORMANCE

General

- No heat resistance required for packaging materials
- Anti-block systems to give low cling, consistent sealability and freshness

Food

- Food regulation compliant
- Preserving product quality: no odor or off-flavoring, no food damage during sealing
- Consistent seal strength on high-speed horizontal form and fill machine

Medical

- Excellent sealability and aging performance
- Synthetic cold seal to prevent allergy reactions

OPERATIONAL EFFICIENCY

- Fast line speeds with minimal dwell and pressure requirements
- Consistent performance even with changes in line speed
- Low applied cost per sq/m (pattern applied)
- Energy savings: no additional energy to form packages, no heat needed
- No risk of melting in sealed areas
- High productivity for small-size pouches
- Cost-efficiency for large pouches: low cost per square meter

ENVIRONMENTAL PERFORMANCE

- Adhesion to paper and bio-based films
- Recyclable in PE and paper streams (How2recycle and TREX)
- Lower energy consumption and GHG emission compared to heat seal
- Reduces food waste with resealable features

Bostik Cold Seal portfolio

Cold Seal Product	Key features and applications
TURBO-SEAL™ C1928	<ul style="list-style-type: none"> • For monoweb applications • Excellent adhesion to untreated coex OPP films • Excellent sealability and low foaming
TURBO-SEAL™ C1945	<ul style="list-style-type: none"> • For monoweb applications • Excellent adhesion to untreated coex OPP films • Excellent sealability and low foaming • Higher tack than 1928: higher initial bond strength for better operational efficiency
TURBO-SEAL™ C1930	<ul style="list-style-type: none"> • For laminated conversions with a BOPP film • Applied to a treated or corona treated surface • Excellent sealability and low blocking values
TURBO-SEAL™ C2978E	<ul style="list-style-type: none"> • Specialist coldseal for a kraft food application • Designed for use on laminated treated structures • Low block resistance against BOPP release film
TURBO-SEAL™ C1939	<ul style="list-style-type: none"> • Specialist coldseal for paper applications • Can be used without a release lacquer • Printed conversion can be further processed

Selecting a Cold Seal



03 Reseal

APPLICATIONS



Cheese



Deli meat



Fresh cuts
and fresh
produce



Pre-sliced
meat



Bakery

After developing the patent for extrudable reseal technology, we have used our expertise to formulate the market's first anti-blush reseal adhesive along with a complete line of reseal solutions for medium and high-performance food packaging applications.

Leveraging hot-melt, water-based and solvent-based pressure sensitive technologies, our portfolio performs well on a wide range of substrates, including PET, PP, and PE.



PACKAGING PERFORMANCE

- Large surface area on packaging to boost brand exposure and enable differentiation
- Resealable film for PET thermoforms can be produced with M-RESIN™ and VITEL™ heat seal in one step
- Broad HMPSA (M-RESIN™) range to fit any processing conditions and reseal performance requirements
- Blown reseal films are designed for flange sealing to favor full package opening
- Convenience: easy opening, multiple use

OPERATIONAL EFFICIENCY

- M-RESIN™ blown extrusion enable one step production with no need for die-cut or laser scored packaging
- M-RESIN™ blown film enable lower OPEX than die-cut lidding and resealable labels
- Little/No CAPEX required with M-RESIN™ blown film

ENVIRONMENTAL PERFORMANCE

- Enable tray recycling: certified by Recyclable (PE), TREX, The Plastic Sense Foundation (PET), and HTP Cyclos (PP) and adapted to mono-material substrates
- Reduce the use of materials with reduced packaging: up to 40% less plastic compared to clamshell
- Decrease GHG Emission due to transportation of lighter packaging and less converting steps
- Extension of food shelf life and freshness resulting in food waste reduction

Bostik Reseal portfolio

Product	Key features and applications
M-RESIN™ MWW31	• Cast and blown film, low to medium reseal, easy handling
M-RESIN™ M650	• Most optimized ratio between handling/processability, resealability and organoleptics
M-RESIN™ MWW65	• Good resealability with best organoleptic performance
M-RESIN™ M350	• Best processability and handling, better-grade for resealability and organoleptics
M-RESIN™ MX615	• Best resealability, better organoleptics, and good handling/processability
ENCOR® 4508	• Water based general purpose for plastic and paper labels
AROSET™ 6506EZ	• Solvent based water/blush resistant for high-moisture foods

Selecting a Reseal

COATING

DIRECT GRAVURE COATINGS	
RESEAL STRENGTH	
○	Good to Medium
○	Blush resistance
YES	NO
AROSET 6506EZ	ENCOR® 4508

EXTRUSION

BLOWN AND EXTRUSION LAMINATION		
RESEAL STRENGTH		
○	Good	Medium
○	Easy Usage	All Purpose
○	CAST/BLOWN	CAST/BLOWN
○	MWW31	M650
○	MWW65	MX615
○	M350	





Lamination adhesives

for flexible materials



04
**Water
Based**

05
**Solvent
Free**

06
**Solvent
Based**

04 Water Based Lamination

APPLICATIONS



Dry snacks



Tea bags



Paper packaging

Bostik first level offer of lamination adhesives is water based, acrylic, and synthetic rubber dispersion primarily for food packaging applications, including fresh produce and snack foods.

PACKAGING PERFORMANCE

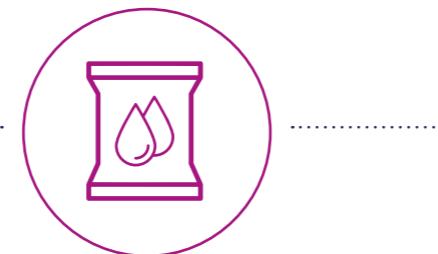
- Standard food contact compliance
- Convenience for end-user (light, easy transportation and storage)
- Can be vegan compatible with certain grades

OPERATIONAL EFFICIENCY

- Low cost
- Increase line speeds: cleaner running, excellent foam control, no cell plugging and good leveling
- Improved aesthetics due to laminate clarity
- More film out the door
- Fast cure
- High productivity compatible with most film substrates (PE, PET, PP, metallized film, aluminium, and paper)
- Can be crosslinked if desired to increase performance

ENVIRONMENTAL PERFORMANCE

- Recyclability for single use plastics
- Lightweight packaging design
- No VOC's from hazardous solvents



Bostik Water Based portfolio

Product	Key features and applications
MYBOND DRF25SA	<ul style="list-style-type: none">For food, non food and medical useWet lamination for paper to aluminium or metallized polyesterHigh heat resistance (up to 260°C)
MYBOND DRF40	<ul style="list-style-type: none">For food, non food and medical useWet lamination for paper to aluminium or metallized polyesterLower heat resistance (up to 240°C)Vegan compatible

Selecting a Water Based

HEAT RESISTANCE
UP TO 240°C

DRF40

HEAT RESISTANCE
UP TO 260°C

DRF25SA



05 Solvent Free Lamination

APPLICATIONS



Dry food



Tea, coffee



Pet food



Personal care



Wet wipes

Bostik's solvent-free laminating adhesives exhibit excellent performance across applications including food, home care, medical and industrial packaging.

Our solvent free solutions have one and two component systems to cover all applications.



PACKAGING PERFORMANCE

- Excellent aesthetics
- Enhanced resistance to pressure and puncturing
- Resist pasteurization, retortable
- Global food compliance

OPERATIONAL EFFICIENCY

- Line speeds of more than 400 mpm achievable
- Fast cure technology – enables improved laminator productivity and reduced total system cost
- Enhanced ease of handling
- More efficient inventory control
- Longer pot life
- Excellent wetting, flow and enhanced aesthetics
- 1 and 2 part systems to match application needs

ENVIRONMENTAL PERFORMANCE

- RECYCLASS/APR certified grades for polyolefin film recycling
- No VOC from hazardous solvents
- All products are glymo-free

Bostik Solvent Free Lamination adhesives portfolio

Performance	Adhesive	Co-Reactant	Application	Key Features
General	SF10MA	SF10MB	• Snack food, dry food (F/F, metF)	• Recyclable certified • Designed for monomaterial laminates (PE, PP) • High lamination speed
General	MORFREE™ 698A	C79	• Snack food, dry food (F/F, metF)	• Recognized product • Good runnability
General/Medium	MORFREE™ L 75-300	CR88-300 CR84	• Dry food snack, wet wipes • Usable for medium performance with Alu foil	• Global food compliance • Comfortable open time • Low viscosity • Low temperature application
General/Medium	2K-LF 515	MP730	• Snack food, dry food (F/F, Alu, metF)	• Suitable for films & metal • Low viscosity • High application speed
General/Medium	1K-LF196	–	• Paper-based laminates (mixpap yogurt lids)	• Mono-component designed for paper-based laminates • High thermal resistance • High application speed • Low cost in use
Medium	2K-LF 520	H107	• Snack food, dry food (F/F, alu, metF)	• Very long pot life 1h • Easy cleaning • High performance on alu & metallized film • High running speed
Medium	MORFREE L PLUS 1	CR84	• Snack food, dry food (F/F, Alu, metF)	• Hybrid technology, lower monomer content (20%) versus standard General purpose adhesives • Pot life 30 min • Fast PAA decay
Medium	MP985	HP798GF	• Snack food, dry food (F/F only) • Barrier film • To compete with Hybrid Systems	• Fast PAA decay • Improved pasteurization resistance on metal
Medium	MORFREE™ 415	CR 88-554	• Dry food, meat, fresh food (F/F, metF), barrier films	• Monomer below 0.1%, usable with alu foil • Low penetration in paper, pasteurization F/F
High	2K-LFX 760	H330	• Retort ALU/CPP	• Aliphatic (no PAA) • Curing in hot room

Selecting a Solvent Free

SOLVENT FREE 1-PART SYSTEM		SOLVENT FREE 2-PART SYSTEMS					
PAPER LAMINATES	STANDARD PERFORMANCE	MEDIUM PERFORMANCE			HIGH PERFORMANCE		
1K-LF196	SF10M A + B	MF698A C79	MF75-300 CR84	2K-LF 520 H107	MF L PLUS 1 CR84	MP985 HP798GF	ELM415 CR88-554
	MF75-300 CR88-300	2K-LF 515 MP730					2K-LFX 760 H330

06 Solvent Based Lamination adhesives

APPLICATIONS



Ready meals,
soups, sauces



Juice



Pet food



Cosmetics



Home care
(detergents)

A wide range of applications for general to medium-high performance in food packaging ranging from dry goods to more complex structures.



PACKAGING PERFORMANCE

- Resistant to high temperatures and aggressive contents (grease, oils, spices)
- Excellent for retort and oven-heating application
- Weatherproof

OPERATIONAL EFFICIENCY

- Can run on existing equipment at fast line speeds
- High initial bond strength and excellent adhesion to wide range of substrates
- Bond to a variety of films to sealant layers including those with high slip levels

ENVIRONMENTAL PERFORMANCE

- RECYCLASS/APR certified grades for polyolefin film recycling
- All products are glymo-free

Bostik Solvent Based Lamination portfolio

Performance	Adhesive	Co-Reactant	Application	Key Features
Medium	EPS 74/1	C1	-	<ul style="list-style-type: none"> Good green tack Fast PAA decay
Medium	ADCOTE™ 775A	ADCOTE 775C	• For metal film	• Versatile Product
Medium	ADCOTE™ 545-75AEA	CAT F	<ul style="list-style-type: none"> For doypack and mixpac Usable with alu foil 	• Good thermal and chemical resistance
Medium	ADCOTE™ 548	CAT F	<ul style="list-style-type: none"> For doypack Usable with alu foil 	• High thermal and chemical resistance
Medium	ADCOTE™ L 76-550	CR87-500	<ul style="list-style-type: none"> For acid food simulant Usable with alu foil 	• High solid, High lamination speed (400m/min)
Medium/ High	ADCOTE™ L 76-550	CR719C4	<ul style="list-style-type: none"> For acid food simulant Usable with alu foil and suitable for retort 	• High solid, High lamination speed (400m/min)
Medium/ High	LG 59/70	C2	<ul style="list-style-type: none"> Designed for retort - outer layer (PET/ALU) 	<ul style="list-style-type: none"> Good bond on metal Good wettability slippy films Low solvent retention
High	ADCOTE™ 719A	CR719C4	<ul style="list-style-type: none"> For alcohol Usable with alu foil 	• High performance retort with alu foil (aromatic)
High	ADCOTE™ 675A	CR719C4	• For alcohol	• High performance retort with alu foil (aromatic)
High	UHP 300	C1 CX H330	<ul style="list-style-type: none"> Designed for retort - inner layer 	<ul style="list-style-type: none"> Good bond on metal FDA 177:1390 compliant & fast curing with CX co-reactant
High	ADCOTE™ 86-812AEA	CAT F 200C 9L10 XZS52505	<ul style="list-style-type: none"> Designed for retort - inner layer 	<ul style="list-style-type: none"> Good bond on metal FDA 177:1390 & FDA 177:1395 compliant
High	ADCOTE™ 810	XZS52505	<ul style="list-style-type: none"> Designed for retort - inner layer 	<ul style="list-style-type: none"> Good bond on metal FDA 177:1390 fast curing with CX co-reactant
High	HP1614	C1*	<ul style="list-style-type: none"> Designed for retort - inner layer 	<ul style="list-style-type: none"> Good bond on metal Fast PAA decay *C1 also exists in an Extremely Low Monomer version (XLM)

Selecting a Solvent Based

MEDIUM PERFORMANCE		HIGH PERFORMANCE	
STANDARD SOLID APPLICATION	HIGH SOLID APPLICATION	HIGH CHEMICAL RESISTANCE	RETORT ALU
EPS 74/1 C1	ADCOTE L76-550 CR 87-500	ADCOTE L76-550 CR 719C4	EXTERNAL LAYER
ADCOTE 775A ADCOTE 775C	ADCOTE 719 CR 719C4	ADCOTE 675A CR 719C4	INNER LAYER
ADCOTE 545-75AEA CAT F	ADCOTE 86-812AEA CAT F	LG 59/70 C2	AROMATIC
ADCOTE 548 CAT F	ADCOTE 810 XZS52505	UHP 300 C1	ALIPHATIC
		ADCOTE 719 CR 719C4	UHP 300 CX H330
		ADCOTE 86-812AEA 200C 9L10 XZS52505	ADCOTE 86-812AEA 200C 9L10 XZS52505
		ADCOTE 675A CR 719C4	ADCOTE 810 XZS52505
		HP1614 C1*	



Meeting your needs globally



IMPORTANT PLEASE READ BEFORE USING THIS BROCHURE

TERMS & CONDITIONS

Bostik offers this brochure for descriptive and informational use only. The brochure is not a contract and is not a substitute for expert or professional advice.

The statements, technical information, data, and recommendations contained herein are not exhaustive, are believed to be accurate as of the date hereof, and are not warranted in any way. The brochure relies upon your knowledge and input, and as such, its results are based solely upon the information you provide and the choices that you make. Since the conditions and methods of use of the products and the information referred to herein are beyond our control, Bostik expressly disclaims any and all liability and damages that may arise from any use of the brochure, the products, the results therefrom, or reliance on the information contained herein, and you hereby agree to waive any and all claims against Bostik relating in anyway thereto.

The brochure is one of several tools that may be used to help you find the product best suited for your needs. It is used at your own risk, and by using it, you are knowingly accepting and assuming any and all risks associated with its use, recommendations, output and your selections. You are responsible to test the suitability of any product in advance for any intended use. Bostik does not guarantee the reliability, completeness, use, or function of the brochure or any recommendations arising therefrom. The data and information are provided 'AS IS'. The information provided herein relates only to the specific products designated and may not be applicable when such products are used in combination with other materials or in any process. Bostik encourages you to read and understand the Technical Data Sheet and the Safety Data Sheet for all products, which are located on our corporate website.

NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR WARRANTY OF MERCHANTABILITY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE PRODUCTS DESCRIBED OR THE INFORMATION PROVIDED HEREIN, AND SUCH WARRANTIES ARE HEREBY DISCLAIMED.
Bostik disclaims any liability for direct, incidental, consequential, or special damages to the maximum extent allowed by law. Nothing contained herein constitutes a license to practice under any patent, and it should not be construed as an inducement to infringe any patent. You are advised to take appropriate steps to be sure that any proposed use of the products will not result in patent infringement.

By using this brochure, you are hereby consenting to the above terms and conditions of use, and you agree to waive certain rights as set forth above.

Bostik SA
51, Esplanade du Général de Gaulle
92800 PUTEAUX - LA DEFENSE
www.bostik.com
emea.industrial@bostik.com



Adhesive solutions by **ARKEMA**