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MASTER OF SOLUTIONS

HVAC
Products

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AKKiM
SEALANTS & ADHESIVES

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Fire Rated
Products

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P636

FIRE RATED PU SEALANT

One component, medium modulus polyurethane sealant that cures on exposure to atmospheric humidity and capable of enduring direct flame to certain degrees.

- Fire Retardant More Than 4 Hours
- A+ Indoor Air Quality
- 25% Movement Capability

Application Areas

Fire rated sealing and bonding applications. Expansion joints between many different construction materials. Movement and connection joints in floors. Indoor and outdoor applications for pedestrian and traffic areas. Joints between prefabricated construction materials. Sealing and bonding of ventilation ducts, gutters and spouts etc.

Features

More than 4 hours of fire resistance in certain conditions without using backfilling materials. Possesses permanent elasticity. No sagging – Thixotropic. No surface tackiness after full cure. Do not pick up dirt. No shrinkage. Enhanced storage stability. Can be applied with hand gun and tooled easily. Paintable. Cures bubble-free 25% movement capability. Conforms to BS 6920 for the metallic water soluble impurities. Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168. M2 Fire Rating according to NF P 92-501 radiation test. A+ indoor air quality rating.

Technical Properties

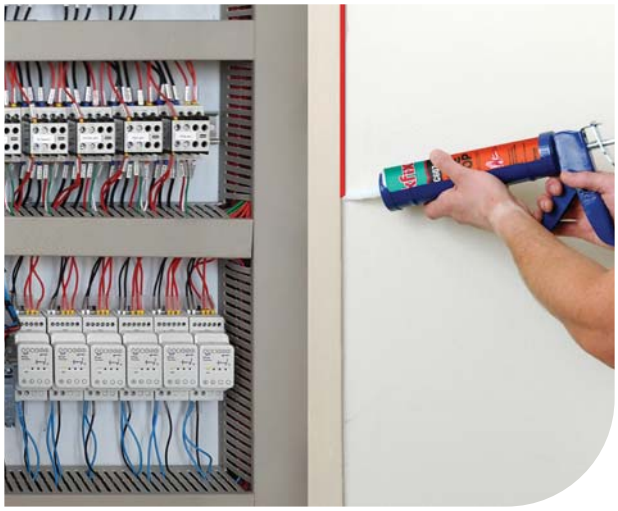
BEFORE CURING		
Basis	: Polyurethane	
Consistency	: Thixotropic	
Curing Mechanism	: Moisture Curing	
Density	: 1.20-1,25g/ml	
Tack free time	: 30-60 min.	(23°C and 50% R.H)
Curing Rate	: Min. 2,5 mm/day	(23°C and 50% R.H)
Sagging	: 0 mm	(EN ISO 7390)
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +40°C	
AFTER CURING		
Hardness Shore A	: 35-40 After 28 days	(ASTM C661)
Paintibility	: Yes *	
Elastic Recovery	:≥ 70%	(ISO 7389)
Elongation at break	: ≥ 200% (ISO	8339)
E100 Modulus (23 °C)	: 0.35-0.40 N/mm² (ISO8339)	
E100 Modulus (-20 °C)	:≤ 0,60 N/mm² (ISO8339)	
DUMBLE TEST		
Elongation at break	: ≥%600 (ASTM D412)	
Tensile Strength	: 1.5-2.0 N/mm² (ASTM D412)	

Package

Stock Code	Type	Volume	Box
AA803	Black	300 ml	12
AA843	Black	400 ml	12
AA863	Black	600 ml	12
AA846	Grey	400 ml	12
AA866	Grey	600 ml	12
AA833	Black	310 ml	12
AA836	Grey	310 ml	12

Fire Class

More than 4 hours fire resistance according to EN 1366-4



AC607

FIRE STOP ACRYLIC SEALANT

Single component water based fire rated acrylic sealant ideal for sealing joints to prevent the passage of flammable gases and toxic smoke in compartment walls and floors.

- Fire Retardant More Than 4 Hours
- A+ Indoor Air Quality
- Intumescent

Application Areas

Sealing of joints and seams, or at certain areas where requirements for fire resistance are mandatory.

Features

M1 Fire Rating according to NF P 92-501 radiation test. Good unprimed adhesion to most common construction substrates. Easy to apply. Remains flexible. Paintable. Non-slump.

Technical Properties

Basis	: Acrylic Dispersion	
Consistency	: Smooth paste	
pH	: 7.5-9	
Specific gravity	: 1,58 ± 0,03 gr/cm³	(ASTM D 792)
Tack-Free time	: 15-30 min (23°C and 50% R.H)	(ASTM C 679-03)
Curing Rate (mm/day)	: Min.2 mm/day	(23°C and 50% R.H)
Shore A hardness	: 40 ± 5 Shore A	
Elongation	: > 100%	(ASTM D 412)
Tensile strength	: ≥ 0,4 N/mm²	(ASTM D 412)
Application Temperature	: +5°C to +40°C	
Volume shrinkage	: %10-15	(ASTM D 412)

Fire Class

More than 4 hours fire resistance according to EN 1366-4

Package

Stock Code	Type	Volume	Box
AA607.5	White	310ml	12
AA607.4	White	400 ml	12
AA607.3	White	600 ml	12
AA761	White	600 ml	12

N920

INTUMESCENT FIRE RATED NEUTRAL SILICONE

Graphite containing one-component neutral grade intumescent silicone sealant designed to protect cable entries by forming a gas and watertight seal. Product cures upon exposure to atmospheric humidity. It expands at high temperatures to prevent the passage of smoke and flames

- Flexible & Durable
- Gas & Water Tight
- Shock Absorbing

Application Areas

Combustible and non combustible pipes. Cables (single cables or bunches of cables). Seals all know materials; PVC & PE sheathed cables etc. Suitable for any shaped duct. Suitable for all common building materials.

Features

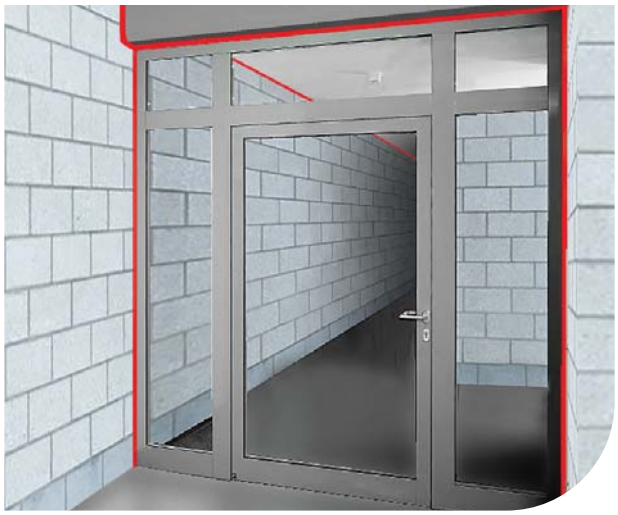
Flexible and durable. Gas and Water tight. Shows Fire resistance properties. Resistant against Water, Alkaline, Chemical agents. Non corrosive. Solvent free. Shock absorbing. Quick and easy installation.

Technical Properties

Basis	: Neutral Silicone	
Density	: 1,25 ±0,03gr/cm³	(ASTM D 792)
Flow	: 0 mm	(ISO 7390)
Colour	: red-grey-black	
Skin over time	: ± 20 minutes 23°C / 55% R.H.	
Curing	: Min. 3 mm/24h	
Hardness	: 30-35 shore A	
Elongation	: > 100%	(ISO 7389)
Tensile strength	: 1± 0,25 N/mm²	(ISO 8339)
Operating temperature	: +5°C to +40°C	
Temperature resistance	: -40°C to +120°C	

Package

Stock Code	Type	Volume	Box
SA093	Black	310 ml	12
SA096	Grey	310 ml	12
SA095	Red	310 ml	12



140F

FIRE RATED SILICONE SEALANT

Fire retardant, elastic, neutral curing silicone sealant that cures upon exposure to atmospheric humidity. Absorbs movements up to 25%.

- Fire Retardant
- Absorbs Movements 25 %
- Water, Weather & UV Resistant

Application Areas

Fire resistant sealing of connection and expansion joints in constructions. All building and glazing joints which require a fire rating. Suitable for all common building materials.

Features

Flexible and durable. Water, weather and UV resistant. Resistant against Water, Alkaline, Chemical agents. Non corrosive. Solvent free. Air tight sealing. Quick and easy installation.

Technical Properties

Basis	: Silicone Polymer (Oxime)	
Density	: 1,30 ± 0,03 g / cm^3	(ASTM D 792)
Sagging	: 0 mm	(ISO 7390)
Skin over time	: 10 ± 5 dakika	(23°C, 50% R.H.)
Curing Rate	: Min. 3 mm/ 24 sa	(23°C, 50% R.H.)
Hardness	: 40 ±5 shore A	
Elongation at break	: ≥ 100%	(ISO 7389)
Tensile Strength	: 1,5-2,0 N/mm^2	(ISO 8339)
Application Temperature	: +5°C to +40°C	
Heat Resistance	: -60 °C to +180°C	

Package

Stock Code	Type	Volume	Box
SAF12	White	310 ml	12
SAF13	White	310 ml	12
SAF16	White	310 ml	12
SAF62	White	600 ml	12
SAF63	White	600 ml	12
SAF66	White	600 ml	12

Classified as B-s1,d0 according to EN 13501-1:2007 +A1:2009

Scan QR code for product video.

820 / 820P

B1 FIRE RATED PU FOAM STRAW / GUN

One component, moisture curing, self expanding, ready to use polyurethane foam with propellants which are completely harmless to ozone layer. It has a fire rating of up to 217 minutes in certain configurations.

- Fire Retardant Up To 217 Min
- Efficient Seal Against Smoke And Gas
- Excellent Adhesion & Filling Capacity

Application Areas

All applications where fire retardant properties are required such as: Installation of door and window frames. Filling and sealing gaps, joints and cavities. Filling of penetrations in walls. Heat insulation of roof construction. Sealing of cable and pipe penetrations. Soundproofing and sealing partition walls. Bonding of insulation materials. Multi-Purpose, adhesion and fixation.

Features

According to EN 1366-4 fire retardant up to 217 min. Efficient seal against smoke and gas. Does not contain CFC's and H-CFC's. Excellent adhesion & filling capacity. Excellent mounting capacity and stability. High yield up to 45 liters depending on temperature and humidity. Excellent adhesion on most substrates (except Teflon, PE and PP). High filling capacity. High thermal & acoustical insulation value. After cured, it can be painted, cut, trimmed. No shrinkage. Mould and water resistant. Conforms to fire class B1 (DIN 4102).

Technical Properties

820

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 22±3 Kg/cm³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±3 min	(ASTM C1620)
Cutting Time (1cm width)	: 30-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: RED	
Yield Volumetric	: 30-45L	(ASTM C1536)
Post Expansion	: 200-250 %	
Shrinkage	: <5%	
Fire Class of the Cured Foam	: B1 (DIN 4102)	
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: Max. 1 vol%	(DIN 53428)
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +30°C	
Can temperature	: +5°C to +30°C	

820P

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±3 Kg/cm³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±3 min	(ASTM C1620)
Cutting Time (1cm width)	: 40-55 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: RED	
Yield Volumetric	: 55-60	(ASTM C1536)
Post Expansion	: up to 30%	
Shrinkage	: ~0 %	
Fire Class of the Cured Foam	: B1	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: Max. 1 vol%	(DIN 53428)
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +30°C	
Can temperature	: +5°C to +30°C	

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

Up to 217 minutes fire resistance according to EN 1366-4

CLASSIFIED C UL US

Package

Stock Code	Type	Volume	Box
(820P) FA025	Summer +5	GW. 850 g.	12
(820) FA015	Summer +5	GW. 850 g.	12

840 / 840P

B2 FIRE RATED PU FOAM STRAW / GUN

Self-extinguishable aerosol polyurethane foam for filling, sealing and bonding gaps. It is designed for easy dispensing through the straw adapter included to each can and gun adapter.

- Rated B2 According To DIN 4102
- Excellent Adhesion to MostBuilding Materials
- Very Good Filling Capacity

Application Areas

Fixing and insulating of door and window frames. Filling and sealing of gaps, joints and cavities. Filling of penetrations in walls. Insulating electrical outlets and water pipes.

Features

Rated B2 according to DIN 4102. Excellent adhesion to most building materials. It does not contain any propellant gases that are harmful to the ozone layer. It can be painted after curing. It can be cut and trim.

Technical Properties

840

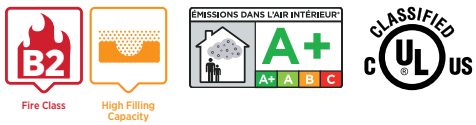
Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 22±3 Kg/ cm^3	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: Light red	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B2	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +30°C	

840P

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±3 Kg/ cm^3	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: Light red	
Yield	: 45-55 L	(ASTM C1536)
Fire Class of the Cured Foam	: B2	(DIN 4102)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +90°C	
Application Temperature	: +5°C to +30°C	

Package

Stock Code	Type	Volume	Box
(840) SAF12	Summer +5	GW. 850 g.	12
(840P) SAF13	Summer +5	GW. 850 g.	12



Adhesive & Glue Products

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C900

CHEMICAL ANCHOR POLYESTER

Polyester injection mortar for general purpose for solid and hollow supports having a short cure time. It is suitable for use in concrete, perforated bricks and cavity blocks in a wide range of applications.

- For Fixing Solid And Hollow Structures
- Easy To Extrude And Inject
- Can Be Applied To Both Vertical And Horizontal Surfaces

Application Areas

Low to Medium-load applications in solid and hollow supports. Fixing of; Gates, balustrades, roller blinds, panes, antennas, consoles, cable trays etc.

Features

Suitable for solid and hollow structures. High solid content. Easy to extrude and to inject. Thixotropic, can be applied in vertical and horizontal direction. Fast curing.

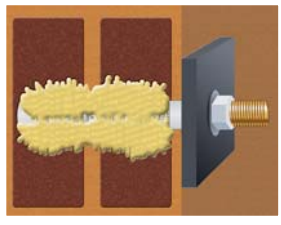
Technical Properties

Basis	: Unsaturated Polyester
Color	: Light Grey (Component A:beige; Comp. B:black)
Density	: 1,70 kg/l at 20 °C

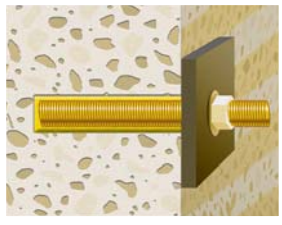
A detailed technical documents will be provided when requested

Package

Stock Code	Type	Volume	Box
CA035	Polyester	345 ml	12
CA030	Polyester	300 ml	12



Hollow Bricks



Concrete

C920

CHEMICAL ANCHOR EPOXY ACRYLATE STYRENE FREE

High performance styrene free epoxy acrylate injection mortar for solid and hollow supports having a short cure time. It is suitable for use in concrete, stone, perforated bricks and cavity blocks in a wide range of applications.

- Styrene Free, Very Low Odour
- Easy To Extrude And Inject
- Hard Fixing Of Rods And Reinforcing Bars Into Plain And Hollow Structures

Application Areas

Heavy load-carrying attachments in solid stone and concrete. Repair mortar or adhesive mortar for concrete components. Attachment of anchor rods, threaded collars, reinforcement bars, profiles etc. Medium-load applications in hollow-bricks. Fixing of; Wooden constructions, metal constructions, metal profiles, sanitary fittings, pipe connections, projecting roofs, facades, cable trays, railings, staircases, gates, window elements.

Features

Suitable for rods and reinforcing bars in plain and hollow structures. Styrene free and very low odour. Easy to extrude and to inject. Thixotropic, can be applied in vertical and horizontal direction.

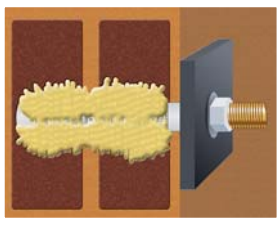
Technical Properties

Basis	: Epoxy Acrylate Resin
Color	: Light Grey (Component A:beige; Comp. B:black)
Density	: 1,80 kg/l at 20 °C

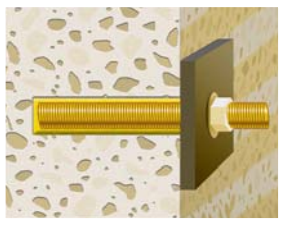
A detailed technical documents will be provided when requested

Package

Stock Code	Type	Volume	Box
CA036	EASF	345 ml	12
CA037	EASF	300 ml	12

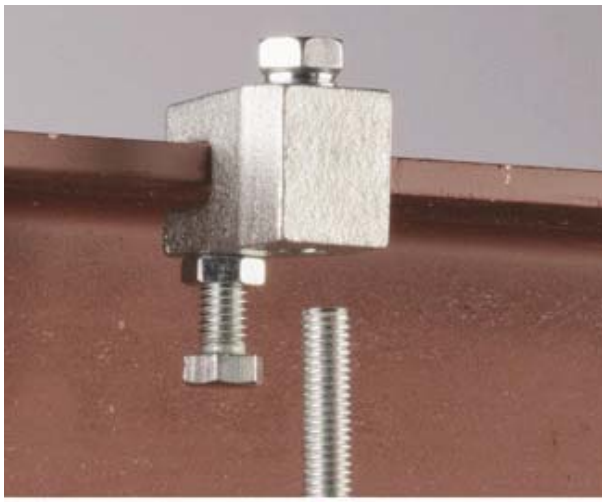


Hollow Bricks



Concrete

ANAEROBIC PRODUCTS



L222

THREADLOCKER (LOW STRENGTH)

Akfix L222 is a low-strength, easy to remove screw lock. Works on all metals, especially good on low strength metals which could damage during disassembly, e.g. brass or aluminium.

Field Of Application and Properties

- Ideal for low-strength thread-locking of adjusting screws.
- Easy to remove screw lock.
- Especially good on low strength metals which could damage during disassembly, e.g. brass or aluminium.

Technical Properties

Main constituent	:	Methacrylate ester
Appearance (uncured)	:	Liquid
Colour	:	Purple
Viscosity	:	Medium and thixotropic
Strength	:	Low
Specific gravity Conditions: 22°C	:	1.01
Flash point Method: ASTM D56-05	:	>93°C
Temperature range	:	-50°C to 150°C
Corrosivity	:	Non-corrosive
Gap filling	:	up to 0.25mm
Viscosity Conditions: 22°C Method: ISO 2555 Apparatus: Brookfield RVT, spindle 3	:	4000 - 7000 cPs (@2.5 rpm)

Package

Stock Code	Type	Volume	Box
L222_01	Threadlocker	50 ml	120
L222_02	Threadlocker	250 ml	36

L243

THREADLOCKER (MEDIUM STRENGTH)

Akfix L243 is a medium strength thixotropic anaerobic thread locker. The product cures when confined in the absence of air between close-fitting metal surfaces.

Field Of Application and Properties

- Formulated to lock all metric and imperial nuts and bolts
- Prevents vibration loosening and leakage through the threads
- Slightly oil tolerant; it will bond some 'as received' parts, but best results are obtained with clean substrates.
- The thixotropic nature of the product prevents run off, dripping and migration after assembly.
- Typically used on mounting bolts, housing screws, etc.
- Prevents corrosion of assembled parts.

Technical Properties

Main constituent	:	Methacrylate ester
Appearance (uncured)	:	Liquid
Colour	:	Blue
Viscosity	:	Medium and thixotropic
Strength	:	Medium
Specific gravity Conditions: 22°C	:	1.030
Flash point Method: ASTM D56-05	:	>93°C
Temperature range	:	-50°C to 150°C
Corrosivity	:	Non-corrosive
Gap filling	:	up to 0.25mm
Viscosity Conditions: 22°C Method: ISO 2555 Apparatus: Brookfield RVT, spindle 3	:	4000 - 5000 cPs (@20 rpm)

Package

Stock Code	Type	Volume	Box
L243_01	Threadlocker	50 ml	120
L243_02	Threadlocker	250 ml	36

L270

THREADLOCKER (HIGH STRENGTH)

Akfix L270 is a single component, high strength (permanent) anaerobic thread locker. The product cures when confined in the absence of air between close-fitting metal surfaces.

Field Of Application and Properties

- Formulated to lock metal fasteners;
- Particularly suitable for larger threaded fasteners, e.g. studs and all applications where maximum strength is needed.
- Prevents corrosion of assembled parts.

Technical Properties

Main constituent	:	Methacrylate ester
Appearance (uncured)	:	Liquid
Colour	:	Green
Viscosity	:	Medium and thixotropic
Strength	:	High
Specific gravity Conditions: 22°C	:	1.040
Flash point Method: ASTM D56-05	:	>93°C
Temperature range	:	-50°C to 150°C
Corrosivity	:	Non-corrosive
Gap filling	:	up to 0.15mm
Viscosity Conditions: 22°C Method: ISO 2555 Apparatus: Brookfield RVT, spindle 3	:	3000 - 4000 cPs (@20 rpm)

Package

Stock Code	Type	Volume	Box
L270_01	Threadlocker	50 ml	120
L270_02	Threadlocker	250 ml	36

R305

PVC CEMENT

Adhesive containing stabilized Tetrahydrofurane is suitable for joints, resistant to shear strain of pressure pipes (e. g. drinking water and gas pipes) with uPVC fittings, and gluing cable conduits, drain pipes etc in accordance with the recommendations of the Plastic Pipe Association.

- 16 Bars Pressure Resistance
- Temperature Resistance Up To 60°C
- Forms A Resistant Film Against Bacteria

Application Areas

Specifically indicated for: Bonding cement uPVC pipes and accessories in pressure systems up to 16 PN. Bonding pipes and accessories in waste systems according to the following: PVC-U plastics piping systems for soil and waste discharge (low and high temperature). ABS plastics piping systems for soil and waste discharge (low and high temperature). PVC-C plastics piping systems for soil and waste discharge (low and high temperature).

Features

High pressure resistance (16 bars). Water resistant. Chemical resistant especially to inorganic acids. Fast curing, maximum leak protection. Excellent gap-filling proprieties. Easy bonding even on large surfaces. Hot and cold water pipes (60°C). Resistant to bacteria. The products conforms to following standards. DIN 16970. BS 4346. ASTM-D 2564. NEN 7106

Technical Properties

Base	: PVC-U polymer resin, organic solvents and thixotropic agents.
Color	: Transparent
Viscosity	: 7000-15000 cP
Density	: 0.96 gr/ml
Flammability	: Highly flammable
Open time	: 20°C = 4 min 25°C = 3 min 30°C = 2 min 40°C = 1 min >40°C = <1 min
Maximum Gap Filling Capacity	: Up to + 0,6 mm
Temperature Resistance	: Up to +60°C

Package

Stock Code	Type	Volume	Box
PA355	Transparent	Net. 50 g.	25
PA351	Transparent	125 ml.	50
PA325	Transparent	250 ml.	24
PA350	Transparent	500 ml.	12
PA310	Transparent	1000 ml.	12

Scan QR code for product video.

R306

PVC CEMENT (THF FREE)

Special solvent cement for joining rigid PVC pipes and accessories pressure systems, according to BS EN 14814 and BS EN 14680. Specifically indicated to bond thermoplastic piping systems that conform to BS EN 1452, BS EN 1455, BS EN 1566 and BS EN 1329. Adhesive with CE Marking for thermoplastic piping systems for fluids under pressure (PN16). Designed also to be used in non pressure systems such as PVC and ABS.

- 16 Bars Pressure Resistance
- Environmentally Friendly
- High Green Strength

Application Areas

Very high initial forging speed. High resin content gives a good filling capacity in diametrical gaps. THF free. Gel consistency and excellent fluidity. High thixotropic index – prevents it from dripping upon application. Acts as a real chemical welding system for PVC, due to its composition. Easy to apply; it does not run or form "tears" inside the fixed pipes. The fixed joints present resistance and ageing characteristics comparable to those of cement PVC. Complies with requirements of the standard BS-EN14680 and BS-EN14814.

Features

Specifically indicated for:
Bonding cement PVC-U pipes and accessories in pressure systems up to 16 PN according to BS EN 14814 "Adhesives for thermoplastic piping systems for fluids under pressure. Specifications". Specifically indicated to bond thermoplastic piping systems that conform to BS EN 1452 and BS EN 1329. Bonding pipes and accessories in waste systems according to the following standards:
PVC-U plastics piping systems for soil and waste discharge (low and high temperature) BS EN 1329. ABS plastics piping systems for soil and waste discharge (low and high temperature)BS EN 1455. PVC-C plastics piping systems for soil and waste discharge (low and high temperature)BS EN 1566.

Technical Properties

Base	: PVC polymer resin, organic solvents and thixotropic agents.
Viscosity	: Approx. 9.000 mPa s (Brookfield RVT, 20 rpm, Sp.3)
Solid content	: Aprox. %20
Relative density	: Aprox. 0.90 gr/ml
Flammability	: Highly flammable
Open time(23 °C)	: Maximum 2 minutes
Maximum Gap Filling Capacity	:+ 0,6 mm
Pressure Drying time (in normal conditions)	: 24 h
Shear strength (1 h drying time)	: > 0,4 MPa
Shear strength (24 h drying time)	: > 1,5 MPa
Shear strength (20 days +4 days drying time)	: > 7,0 MPa
Pressure resistance (20°C)	: 51,2 bar
Pressure resistance (40°C)	: 20,8 bar
Application temperature	: -5°C to +30°C
Service temperature	: -5°C to +50°C

Package

Stock Code	Type	Volume	Box
PA005	THF Free / Transparent	Net. 50 g.	25
PA001	THF Free / Transparent	125 ml.	50
PA025	THF Free / Transparent	250 ml.	24
PA050	THF Free / Transparent	500 ml.	12
PA100	THF Free / Transparent	1000 ml.	12

CE
EN 14814

Sealant
Products

www.Akfix.com

Creates Permanent Solutions

UNIVERSAL

AST POLYMER

High quality universal hybrid sealant & adhesive based on AST polymer.

- Excellent Bonding & Sealing
- Highly Thixotropic
- Eco Friendly

Application Areas

Connection joints in sheet metal fabrication, sealing of HVAC systems. Elastic bonding in vibrating construction elements. Sealing of floor joints and low movement wall joints. Sealing joints in containers, cisterns, silos etc.

Features

Highly thixotropic: Suitable for horizontal and vertical joints. Eco-friendly, free from isocyanate, solvent, acids and halogens. Excellent primerless adhesion to numerous porous and non-porous substrates. No bubble formation, even in wet and humid conditions. Very good UV resistance. Over-paintable with water based paints. No shrinkage.

Technical Properties

Chemical Base	: AST Polymer
Curing System	: Moisture
Density	: 1.40 ± 0.03 gr/ml
Appearance/Color	: Paste, White, Black and Grey
Tack Free	: Approx. 50 min (23°Cand %50 R.H.)
Curing Rate	: Approx. 2,5 mm/ 24 hr (23°C and %50 R.H.)
Sagging (ISO 7390)	: 0 mm
E100 Modulus (ISO 8339)	: < 0,4 N/mm²
Shore A Hardness (ISO 868)	: 45 ±5
Elongation at Break % (ISO 37)	: ≥ % 120
Volume Loss	: < %3 (23°C and %50 R.H.)
Tensile Strength (ISO 37)	: 1,5 – 2,0 N/mm²
Heat Resistance	: -40°C and +90°C
Application Temperature	: +5°C and +40°C

Package

Stock Code	Type	Volume	Box
AMS22	White	290 ml	12
AMS23	Black	290 ml	12
AMS26	Grey	290 ml	12
AMS52	White	400 ml	12
AMS453	Black	400 ml	12
AMS456	Grey	400 ml	12
AMS32	White	600 ml	12
AMS33	Black	600 ml	12
AMS36	Grey	600 ml	12

SHORE **A45**

ALL MATERIALS & ALL SURFACES

AST
AKKIM SMART TECHNOLOGY

"Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168."

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

CE
EN 15651-1
EN 15651-2

MULTI SEAL

AST POLYMER

Universal grade, general purpose all-weather adhesive sealant based on AST polymer. Combines the properties of both silicone and the polyurethane that makes it an optimum choice for a variety of substrates including: Aluminum, Granite, Ceramics, Marble, Porcelain, Metals, PVC, Glass, Wood, Porous Surfaces (Concrete, Brick, Limestone, etc.).

- High Adhesive Strength
- Perfect UV Resistant
- Paintable

Application Areas

Sealing and Bonding applications in;

Window and Door Perimeter. General sealing and waterproofing. Roofing and gutter. Concrete joints. Metal building construction. HVAC.

Features

Does not contain solvent, silicone or isocyanate. Very Low VOC content. No bubble formation, even in wet and humid conditions. Very good UV resistance. Over-paintable with water based paints. No shrinkage. Does not cause oil stains in panels and porous material. Non-sag, very easy to apply. No surface tackiness.

Technical Properties

Basis	: AST Polymer
Curing Mechanism	: Moisture
Density	: 1,60 ± 0,03 g / ml
Consistency / Color	: Thixotropic paste / White, Grey, Black
Hardness Shore A	: 40±5
Sagging	: 0 mm
Skin Formation Time	: 12-25 min (23°C, 50% R.H.)
Curing Performance	: Min.2,5 mm/24h (23°C, 50% R.H.)
Shrinkage	: < 3%
Elongation at Break	: ≥ 300%
Tensile Strength	: 1,5-2,0 N/mm²
Application Temperature	: +5°C to +40°C
Temperature Resistance	: -40 °C to +90°C

Package

Stock Code	Type	Volume	Box
AST42.0	White	290 ml	12
AST42.1	Black	290 ml	12
AST42.2	Grey	290 ml	12
AST42.3	White	400 ml	12
AST42.4	Black	400 ml	12
AST42.5	Grey	400 ml	12
AST42.6	White	600 ml	12
AST42.7	Black	600 ml	12
AST42.8	Grey	600 ml	12

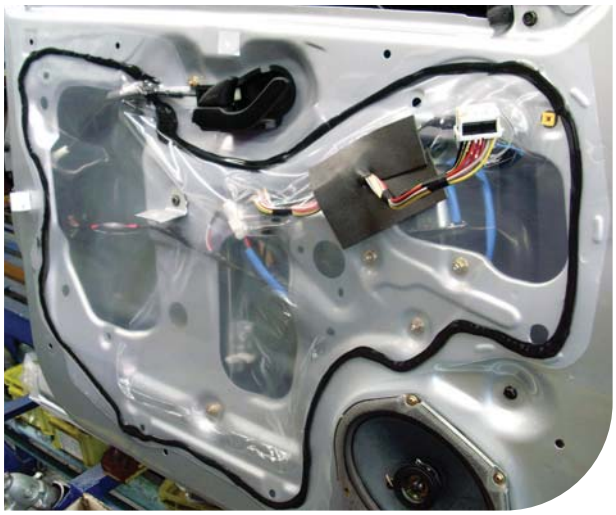
AST
AKKIM SMART TECHNOLOGY

ALL MATERIALS & ALL SURFACES

"Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 "Low-emitting products" of SCAQMD rule 1168."

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

CE EN 15651-1



Scan QR code for product video.

647FC

PU METAL SEALANT FAST CURING (AUTOMOTIVE)

One-component, high-modulus polyurethane sealant that cures on exposure to atmospheric humidity and must be used when fast curing is essential. It possesses excellent adhesion to sheet iron, aluminum, stainless steel, lead, copper, ceramic, glass, wood and various plastic materials.

- High Modulus
- Fast Curing
- High Adhesive Strength

Application Areas

Fast Curing. Permanently flexible. Non-sag consistency. Non-sticky / does not pick up dirt. Improved storage stability. Easy to gun, can be easily smoothed. Paintable.

Features

Body construction of cars, containers, caravans etc. Sealing and bonding of ventilation ducts, gutters and spouts etc. Sealing of sheet metal seams. For vibration reduction in all type of sheet metal assembly works. Sealing against water, air, gas and dust. Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168. Meets the French VOC requirements for class A+

Technical Properties

BEFORE CURING	
Basis	: Polyurethane
Consistency	: Thixotropic
Curing Mechanism	: Moisture Curing
Density	: 1,08±0,03 g/ml
Tack free time	: 40 ±10 min. (23°C and 50% R.H)
Curing Rate	: Min. 3 mm/day (23°C and 50% R.H)
Sagging	: 0 mm (EN ISO 7390)
Temperature Resistance	: -40°C to +90°C
Application Temperature	: +5°C to +40°C
AFTER CURING	
Hardness Shore A	: 50 ± 5 After 28 days (ISO 868)
Paintibility	: Yes *
Elongation at break	: ≥%300 (ISO 37)
Tensile Strength	: Min.2,5 N/mm² (ISO 37)

SHORE **A50**

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

CE EN 15651-1

Package

Stock Code	Type	Volume	Box
AA472	White	310 ml	12
AA473	Black	310 ml	12
AA476	Grey	310 ml	12
AA472.28	White	280 ml	12
AA473.28	Black	280 ml	12
AA476.28	Grey	280 ml	12
AA642	White	600 ml	12
AA643	Black	600 ml	12
AA646	Grey	600 ml	12

905N

NEUTRAL SILICONE (BUILDING & CONSTRUCTION)

A neutral cure, high performance silicone sealant designed for gap filling and sealing in a wide range of use in building and construction. It combines the advantages of outstanding adhesion to building materials with its non-corrosive and odorless curing.

- 100% Silicone
- Non-Corrosive Joint Sealing
- Low Modulus High Elasticity

Application Areas

Non-corrosive joint sealing for walls, windows and doors. Glass to glass and glass to aluminium sealing. Sealing of connection joints in building industry (brick, wall, concrete, PVC, wood, glass etc.)

Features

100% solventless silicone. Excellent weatherproof and UV resistant. No Cracking or Shrinking. Water resistant. Very low odor and noncorrosive. Excellent flexibility and adhesion to numerous porous and non-porous. Substrates for large scale construction and glazing applications. Resistant to temperature extremes (-60 °C to +180 °C). Fast curing, low modulus, high elasticity. High viscosity non slump formula.

Technical Properties

Basis	: Silicone Polymer(Oxime)	
Curing System	: Neutral	
Density (Transparent and Aluminum)	: 1.02± 0.03 g/ml	(ASTM D 792)
Density (Other Colors)	: 1.20± 0.03 g/ml	(ASTM D 792)
Hardness Shore A (Transparent and Aluminum)	: 17-25 (after 28 days)	
Hardness Shore A (Other Colors)	: 22-32 (after 28 days)	
Tensile Strength	: ≤ 0,4 N/mm² (23°C and 50% R.H)	(ISO 8339)
Elongation At Break (Transparent and Aluminum)	: ≥ 400%	(ASTM D412)
Elongation At Break (Other Colors)	: ≥350%	
Elastic Recovery	: Approx. 100%	(ISO 7389)
Sagging	: 0 mm	(ISO 7390)
Temperature Resistance	: -60°C to +180°C	
Application Temperature	: +5°C to +40°C	

Package

Stock Code	Type	Volume	Box
SA511	Transparent	310 ml	24
SA512	White	310 ml	24
SA513	Black	310 ml	24
SA514	Grey	310 ml	24
SA515	Brown	310 ml	24
SA517	Aluminium	310 ml	24

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B C

AAMA Manufacturer of Verified Components

CE EN 15651-1 EN 15651-2

HT300

GASKET MAKER RTV SILICONE

High-performance silicone sealant developed for sealing, bonding and repairing works where heat resistance is required. It is an ideal sealant for high temperature construction applications. It reacts with atmospheric moisture to produce a tough, elastic silicone.

- Resists Heat Up To 300°C
- Exceptional Resistance to Temperature Extremes
- 100% Silicone, Solventless

Application Areas

Sealing and bonding applications in automotives. On heating systems and ovens for sealing/ tightness. Sealing and bonding in stoves. In heating devices. Gaskets in pumps and motors. In sealing chimneys. Other bonding and sealing applications where parts must perform at high temperatures.

Features

Excellent heat resistance after curing up to 250 °C permanently and up to 300 °C temporarily. Acetoxy cure, RTV silicone. 100% silicone. Fast cure, high strength. Resists to mechanical enforcement after curing. Remains flexible at low (-40 °C) and high (+250 °C) temperatures. Will not crack, shrink or become brittle. One component. Conforms to the requirements of VOC content specifications in LEED credit EQc4.1 “Low-emitting products” of SCAQMD rule 1168.

Technical Properties

Basis	: Silicone Polymer	
Curing System	: Acetoxy	
Density	: 1.05± 0.03 g/ml	
Hardness Shore A	: 24-30 (after 28 days)	
Tensile Strength	: ≥ 1,5 N/mm² (23°C and 50% R.H)	(ASTM D412)
Skin formation	: 7-13 min. (23°C and 50% R.H)	
Curing Rate	: Min. 3 mm/day (23°C and 50% R.H)	
Elongation At Break	: ≥ 250%	(ASTM D412)
Elastic Recovery	: ≥ 60%	(ISO 7389)
Sagging	: 0 mm	(ISO 7390)
Temperature Resistance	: -40°C to +300°C	
Application Temperature	: +5°C to +40°C	

Package

Stock Code	Type	Volume	Box
SA075	Red	310 ml	24
SA073	Black	310 ml	24
SA133	Black	85 gr	20
SA135	Red	85 gr	20
SA137	Blue	85 gr	20
SA136	Grey	85 gr	20
SA113	Black	50 gr	24
SA215	Red	50 gr	24
SA875	Red	80 ml	36
SA873	Black	80 ml	36
SA876	Grey	80 ml	36

1500°C

HEAT FIGHTER

One-component silicate based joint filler for high-temperature applications. Insulation and filling of cracks. Outstandingly workable and smoothable.

- Heat Resistance
- Insulation of Joints And Filling of Cracks
- Waterproof

Application Areas

Insulation and sealing works requiring heat-resistance. Insulation of joints and filling of cracks in chimneys, ovens, fireplaces and stoves, suitable for sealing soot doors. Adheres to metal, stone, brick and concrete substrates. Exercise care during any contact with metal, since metal moves when exposed to temperature whereas sealant does not.

Features

Resistant up to +1500°C. Resistant to direct flame. Fast dry. Can be used on all porous surfaces such as brick, concrete etc. Very easy to apply and clean. Suitable on natural stones. No fragmentation or cracking after curing. Low odour.

Technical Properties

Basis	: Sodium Silicate	
Consistency	: Paste	
Skin Forming Time	: 3-5 min	(23 °C and 50% R.H)
Specific gravity	: 2,04 ± 0,02 gr/cm3	(ASTM D 792)
Curing Rate	: 2 mm/day	(23 °C and 50% R.H)
Shore A hardness	: 75 ± 5 Shore A	Before heating
Temperature resistance after curing	: short time up to +1500°C	
Application Temperature	: +5°C to +35°C	

Package

Type	Volume	Box
Black	310 ml	24
Black	600 ml	12

AC590

ACRYLIC DUCT SEAL

Akfix AC590 is a high-quality, plasto-elastic, solvent free sealant based on acrylic dispersion, specially developed for heating, ventilation and air conditioning (HVAC) applications.

- Very good adhesion on galvanised and stainless steel
- Remains permanently flexible
- Non corrosive towards metals

Application Areas

All types of HVAC duct systems including sheet metal, duct board and flexible ducts

Features

Easy to apply and clean, Non corrosive towards metals, Can be applied with a brush, Low odour and solvent free, Very good adhesion on galvanised and stainless steel, Remains permanently flexible, Colour-fast and water-proof after curing, Can be painted.

Technical Properties

Basis	: Acrylic Dispersion	
Consistency	: Smooth paste	
pH	: 7,5-9	
Specific gravity	: 1,62 ± 0,03 gr/cm^3	(ASTM D 792)
Skin Formation Time	: 10-30 min (23 °C and 50% R.H)	(ASTM C 679)
Curing Rate (mm/day)	: 2 mm/day (23 °C and 50% R.H)	
Shore A hardness	: 20-30 Shore A	
Elongation at Break	: >250%	(ASTM D 412)
Temperature resistance	: -10 °C to +80 °C	
Application Temperature	: +5 °C to +40 °C	

Package

Stock Code	Type	Volume	Box
AC590	White	310 ml	12
AC591	Grey	310 ml	12

EMISSIONS DANS L'AIR INTÉRIEUR A+ A+ A B

CE
EN 15651-1

AS606

SILICONIZED SEALANT

One-component acrylic emulsion based sealant reinforced with silicone emulsion. It has superior adhesion and good elasticity.

- Paintable
- Water Based & Non-Toxic
- Water-Proof After Curing

Application Areas

Sealing of low movement joints between various construction materials (wood, concrete, brick etc.). Sealing joints between windows, walls, doors etc. Filling cracks in walls and on ceilings.

Features

Water based & Non-toxic. Very low VOC content. Water-proof after curing. Over paintable. Very easy to apply and clean. Can be used on all porous surfaces such as brick, concrete, wood etc. No odour.

Technical Properties

Basis	: Acrylic Dispersion	
Consistency	: Smooth paste	
pH	: 7-8	
Specific gravity	: 1,65 ± 0,03 gr/cm^3	(ASTM D 792)
Tack-Free time	: 50 ± 20 min (23°C and 50% R.H)	(ASTM C 679)
Curing Rate (mm/day)	: 2 mm/day (23°C and 50% R.H)	
Shore A hardness	: 30-50 Shore A	
Ultimate elongation	: ≥300%	(ASTM D 412)
Temperature resistance	: -10°C to +80°C	
Application Temperature	: +5°C to +40°C	

Package

Stock Code	Type	Volume	Box
AA001.U	White	310 ml	24
AA001	White	310 ml	24
AA013	Black	310 ml	24
AA016	Grey	310 ml	24
AA014	Brown	310 ml	24
AA018	Ligth Ivory	310 ml	24
AA018	Golden Oak	310 ml	24
AA018	Beige	310 ml	24
AA601	White	600 ml	12
AA603	Black	600 ml	12
AA606	Grey	600 ml	12
AA604	Brown	600 ml	12
AA801	White	80 ml	36

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CE EN 15651-1

PU Foam
Products

www.Akfix.com

Creates Permanent Solutions

890

MULTI-POSITION, MULTI PURPOSE PU FOAM

Multi-Position PU Foam is a single-component, moisture-curing and self-expanding aerosol polyurethane foam. It is designed for easy dispensing through the straw adapter included with each can. It is suitable for multi-position applications. It does not contain any propellant gases that are harmful to the ozone layer.

- Application In All Positions (360°).
- Excellent Mounting Capacity And Stability
- Mould-Proof, Water-Proof & Over Paintable

Application Areas

Fixing and insulating of door and window frames. Filling and sealing gaps, joints and cavities. Filling of penetrations in walls. Insulating electrical outlets and water pipes.

Features

Multi-positioning foam; application in all positions (360°). Excellent adhesion & filling capacity and high thermal & acoustical insulation value. Excellent mounting capacity and stability. Adheres to almost all building materials with the exception of surfaces such as polyethylene, teflon, silicone and surfaces contaminated with oils and greases, mold release agents and similar materials. Mould-proof, water-proof, over paintable. Cured foam dries rigid and can be trimmed, shaped and sanded.

Technical Properties

Basis	:	Polyurethane Prepolymer	
Curing System	:	Moisture cure	
Specific Gravity	:	27±3 Kg/m³	(ASTM D1622)
Tack-Free Time (1 cm width)	:	7±3 min	(ASTM C1620)
Cutting Time (1cm width)	:	30-45 min	(ASTM C1620)
Cure-Time	:	24 hours	
Foam Colour	:	Light yellow	
Yield	:	30-35 L	(ASTM C1536)
Fire Class of the Cured Foam	:	B3	(DIN 4102-1)
Thermal Conductivity	:	0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	:	0,05 N/mm²	(DIN 53421)
Tensile strength	:	0,126 N/mm²	
Dimensional stability	:	Max. ±5%	
Water penetration	:	0	
Water Absorption	:	max. 1 vol%	(DIN 53428)
Can Temperature	:	min. 5°C max. +30°C	
Temperature Resistance	:	-40°C to +80°C	
Application Temperature	:	+5°C to +30°C	

Package

Stock Code	Type	Volume	Box
FA089	Summer +5	750ml/Gw.850gr	12

Scan QR code for product video.

805P

PU GUN FOAM (MULTI PURPOSE)

One-component PU foam used with an applicator gun and features higher yield, easier application and reusability. It does not contain any propellant gases which are harmful to the ozone layer.

- Excellent Adhesion & Filling Capacity
- Gun Use, Low Expansion, Professional Type
- Mould-Proof, Water-Proof & Over Paintable

Application Areas

Fixing and insulating of door and window frames. Filling and sealing of gaps, joints and cavities. Filling of penetrations in walls. Insulating electrical outlets and water pipes.

Features

Excellent adhesion& filling capacity and high thermal & acoustical insulation value. Economical consumption thanks to precise application. High yield up to 45 liters depending on temperature and humidity. Conforms to fire class B3 according to DIN 4102-1. Mould-proof, water-proof and over paintable.

Technical Properties

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 19±3 kg/m³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2 min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: Light yellow	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: +5°C to +30°C	

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CLASSIFIED UL

AAMA Manufacturer of Verified Components

Package

Stock Code	Type	Volume	Box
FA001	Summer +5	Gw. 850 g.	12

805

PU FOAM (MULTI PURPOSE)

One-component, moisture-curing and self-expanding aerosol polyurethane foam. It is designed for easy dispensing through the straw adapter included with each can. It does not contain any propellant gases that are harmful to the ozone layer.

- Excellent Adhesion & Filling Capacity
- Straw Use, Manual Type, High Expansion
- Mould-Proof, Water-Proof & Over Paintable

Application Areas

Fixing and insulating of door and window frames. Filling and sealing gaps, joints and cavities. Filling of penetrations in walls. Insulating electrical outlets and water pipes.

Features

Excellent adhesion & filling capacity and high thermal & acoustical insulation value. Excellent mounting capacity and stability. Adheres to almost all building materials with the exception of surfaces such as polyethylene, Teflon, silicone and surfaces contaminated with oils and greases, mold release agents and similar materials. Mould-proof, water-proof, over paintable. Cured foam dries rigid and can be trimmed, shaped and sanded.

Technical Properties

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 22±3 kg/m³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 7±3 min	(ASTM C1620)
Cutting Time (1cm width)	: 30-45 min	(ASTM C1620)
Cure-Time	: 24 hours	
Foam Colour	: Light yellow	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Thermal Conductivity	: 0,036 W/m.k (at 20°C)	(DIN 52612)
Compression Strength	: 0,03 MPa	(DIN 53421)
Dimensional stability	: ±10%	(ISO2796/86)
Water penetration	: 0	(ISO2896-87)
Water Absorption	: max. 1 vol%	(DIN 53428)
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: 5°C to +30°C	

Package

Stock Code	Type	Volume	Box
FA011	Summer +5	Gw. 850 g.	12
FA012	Summer +5	Gw. 570 g.	12
FA013	Summer +5	Gw. 350 g.	12

888P

FLEXIBLE PU GUN FOAM

Single-component PU flexible foam used with an applicator gun and features flexibility, high performance, easier application and reusability. It does not contain any propellant gases which are harmful to the ozone layer. The foam has a minimum expansion after application (less than 50%) and is therefore very economical to use. The foam is very elastic and has a very high Acoustic Rating and Thermal Insulation value.

- Overcomes Extreme Physical Movements Without Structural Deformation
- Shock & Impact Absorption
- High elastic recovery ratio

Application Areas

Vibrating constructions. Soundproof screen production. Application of soundproofing layer on industrial equipments. Reduction of noise transmission during use as fixing foam. Fixing and insulating of door and window frames. Filling and sealing gaps, joints and cavities. Filling penetrations in walls. Filling all joints in roof constructions. Enhancing thermal insulation in heating/cooling systems. Insulating electrical outlets and water pipes.

Features

High elastic recovery ratio. Overcomes extreme physical movements without structural deformation. Shock and impact absorption. Excellent adhesion & filling capacity and high thermal & acoustical insulation value. Economical consumption thanks to precise application. High yield up to 45 liters depending on temperature and humidity. Mould-proof, water-proof and paintable.

Technical Properties

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Mechanical Properties	: Flexible	
Specific Gravity	: 21±3 kg/m³	(ASTM D1622)
Tack-Free Time (1 cm width)	: 6±2min	(ASTM C1620)
Cutting Time (1cm width)	: 20-45 min	(ASTM C1620)
Cure-Time	: 2-4 hours	
Foam Colour	: White	
Yield	: 30-45 L	(ASTM C1536)
Fire Class of the Cured Foam	: B3	(DIN 4102-1)
Compression Strength	: 22,3 kPa (%10 compressed)	FEICA TM 1011:2015
Tensile Strength	: 0,065 MPa	FEICA TM 1018:2015
Elongation at Break	: % 36-38	
Water Absorption	: max. 1 vol%	(DIN 53428)
Shrinkage	: < 5%	
Shear Strength	: 0,058 MPa	FEICA TM 1012:2013
Optimum Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -40°C to +80°C	
Application Temperature	: -2°C to +30°C	

Package

Stock Code	Type	Volume	Box
FA888P	Summer +5	Gw. 890 g.	12

Scan QR code for product video.

ThermCoat

THERMAL & ACOUSTIC INSULATION PU SPRAY FOAM

ThermCoat is a high quality heat and sound insulation product for buildings and houses. Provides a unique, monolithic thermal insulation application without junctures, seams and gaps. An innovative alternative to traditional building insulation methods such as polystyrene heat insulation boards, glass wool and rock wool. Single-component product used with an applicator gun. It does not contain any propellant gases which are harmful to the ozone layer.

- Fast, Easy, practikal
- High Insulation Value (0.025 W/(m.K.)
- For All Building Materials
- Excellent Adhesion to Surfaces

Application Areas

Roofs, attics, facades, foundations, basements, floors, interior walls, inter-floor overlappings, interior partitions, ceilings and cellars, Structural elements of buildings, balcony, loggia, doors, window slopes, pipes, canals and tank kind round surfaces, uneven and rough all surfaces, Car body and car trailers, boats, yachts, vessels and all kind of sea vehicles.

Features

Excellent adhesion to all kind of building materials, Can be applied easily to uneven, hard to reach surfaces where it is not possible to use traditional insulation materials, Excellent thermal insulation value (0.025 W/(m.K), Elimination of thermal bridges, Elimination of the dew point, (*)Yield up to 3m² with 1.5cm thickness for one layer if applied from a distance of ~40cm with normal application speed, No need to use mechanical fastening elements after use, Over paintable.

Technical Properties

Basis	: Polyurethane Prepolymer	
Curing System	: Moisture cure	
Specific Gravity	: 17-28 kg/m³	(ASTM D1622)
Tack-Free Time	: 4 min	(ASTM C1620)
Foam Color	: Blue	
Yield	: 3 m² for 1,5 cm thickness	
Fire Class of the Cured Foam	: B3 (DIN 4102-1)	
Thermal Conductivity	: 0,025 W/m.K (at 20°C)	(DIN 52612)
R Value	: 5,66 (per inch)	
Compression Strength	: 0,03 MPa	(DIN 53421)
Full Cure	: 24 hours	
Can Temperature	: min.5°C max. +30°C	
Temperature Resistance	: -75°C to +115°C	
Application Temperature	: +5°C to +30°C	

The results were obtained by providing optimum environmental conditions.

AST
AKKIM SMART TECHNOLOGY

Package

Stock Code	Type	Volume	Box
FA019	-	850ml/Gw.930gr	12

Coatings

Waterproofing and Heat Insulation Systems

www.Akfix.com

Creates Permanent Solutions

HB400

WATERGUARD LIQUID FLASHING HYBRID

Liquid Flashing Hybrid is a hybrid polymer based, an all-purpose, fluid applied flashing used to create a weather resistant, fully adhered waterproof barrier system around window and door installations.

- Water and frost resistant.
- Allows Substrates to Breathe
- Bonds to Multiple Materials
- No Primer Required

Application Areas

Indoor and outdoor. Vertical and horizontal surfaces. Surface restoration of old substrates. Foundations, basements and garages. Bathroom and wet floors.

Features

Does not contain solvent, silicone, bitumen or isocyanate. Easy to use trowel application. No mixing needed and primer required. Water and frost resistant. Allows substrates to breathe. Bonds to multiple materials. Can be applied damp surface. Prevents membrane wear and tear. Low labor cost.

Technical Properties

Basis	: Hybrid Polymer	
Curing Mechanism	: Moisture	
Density	: 1,46 ± 0,03 g / ml	
Consistency / Color	: Viscous liquid / Blue	
Hardness Shore A	: 35-40	(ISO 868)
Viscosity	: 80.000-140.000 cps	(Spindle 07, Brookfield)
Skin Formation Time	: 50 ± 5 min (23°C, 50% R.H.)	
Curing Performance	: Min.2,5 mm/24h	(23°C, 50% R.H.)
Elongation at Break	: ≥ 250%	(DIN 53504)
Tensile Strength	: 1,6-2,1 N/mm^2	(DIN 53504)
Application Temperature	: +5°C to +40°C	
Temperature Resistance	: -40 °C to +90°C	

Package

Stock Code	Type	Volume	Box
HB400	Grey RAL7040	600 ml	12
HB400.1	Grey RAL7040	Net 1 kg	12
HB400.2	Grey RAL7040	Net 14 kg	1

Scan QR code for product video.

HB420

WATERGUARD HYBRID ROOF DETAIL

Hybrid Roof Detail is a hybrid polymer based liquid flashing compounds for waterproofing of complex roofing details and connections such as pipes, chimneys, lightdomes, gutters etc.

- Water and frost resistant
- No Primer Required
- Provides Water Vapor Permeability
- Efficient Application on Complex Details

Application Areas

The Roof Detail Hybrid is mainly used to waterproof details like;

- Pipes
- Flashings and 90° angles
- Lightdomes • Chimneys
- Wall-floor connections
- Roofing and gutters
- Photovoltaic systems
- Concrete, mortar, cement screed, wood etc.

Features

Does not contain solvent, silicone, bitumen or isocyanate. Simple application. Forms seamless membrane without joints or leak possibilities. Water and frost resistant. Provides water vapor permeability. Full surface adherence without any additional anchoring. Can be applied damp surface. In case of damage, membrane can be easily repaired locally within minutes. Low labor cost.

Technical Properties

Chemical Base	: Hybrid Polymer	
Curing Mechanism	: Moisture	
Density	: 1,46 ± 0,03 g / ml	
Consistency / Color	: Viscous liquid / White, Grey, Black	
Hardness Shore A	: 35±5	(ISO 868)
Viscosity	: 80.000-120.000 cps (Spindle 07, Brookfield)	
Skin Formation Time	: 40-60 min (23°C, 50% R.H.)	
Curing Performance	: Min.2,5 mm/24h (23°C, 50% R.H.)	
Elongation at Break	: ≥ 250%	(DIN 53504)
Tensile Strength	: 1,5-2,0 N/mm²	(DIN 53504)
Application Temperature	: +5°C to +40°C	
Temperature Resistance	: -40°C to +90°C	

Package

Stock Code	Type	Volume	Box
HB420	Grey RAL7040	Net 1 kg	12
HB420.1	Grey RAL7040	Net 7 kg	2
HB420.2	Grey RAL7040	Net 14 kg	1

Aerosol
Products

www.Akfix.com

Creates Permanent Solutions

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A40 MAGIC

CORROSION INHIBITOR, LUBRICANT AND MULTI PURPOSE PROTECTOR SPRAY

Corrosion Inhibitor, Lubricant and Multi Purpose Protector aerosol Spray. It's special formula combines many properties such as cleaning, lubricating, loosening rusted part, driving out moisture. It can be used in industrial, home and daily labors.

- Ultimate Penetrating
- Loosens Rust
- Does Not Contain Silicone

Application Areas

In all fittings, door and window mechanisms, locks, handles, hinges. For annulling humidity on metallic surfaces of bikes, motorbikes, small motor vehicles, electronic contacts and other home tools such as drills, jigsaws, etc. For loosening and activating rusted and jammed mechanisms. Can be used as protective on surfaces vulnerable to water and rust. For dissolving adhesive materials like tar, gum, adhesive tapes etc. Can be used for cleaning and maintenance of weapons.

Features

Ultimate penetrating ability. Loosens rusted or corroded bolts, nuts, cables and any other fasteners. Greases and loosens door and window hinges, locks, and other fittings. Decreases frictions and stops squeaks of pedals, chairs, windows, faucets and hinges. Does not contain silicone and any dirt trap additives. Drives the moist out of the surface and dries it out thus provides longtime lubricating effect. Protects metal parts against rust. Provides maintenance by penetrating into surface and protects it against dirt. Dissolves tar, gum, adhesive etc. Permeates into grease and dirt and creates a protective film layer on the surface.

Technical Properties

Form	: Aerosol
Colour	: Yellowish
Water solubility	: Insoluble

Package

Stock Code	Type	Volume	Box
YA420	-	200 ML	24/96
YA440	-	400 ml	24/48

Scan QR code for product video.

A90

ANTI SPATTER SPRAY

High performance penetrating oil enriched with MoS2.

- Anti-Adhesion Product For Arc Welding
- Suitable For Protecting Nozzles, Weld Units And Tools
- Not Flammable After Evaporation Of Solvent

Application Areas

Nozzles and shrouds. Torches. Workpieces and parts. Jigs. Automatic and semi-automatic welding. Welding robots.

Features

Anti-adhesion product for arc welding. Prevents the adhesion of “projections” on all treated surfaces. Suitable for protecting nozzles, weld units and tools. Non flammable after evaporation of the solvent.

Technical Properties

Form	: Aerosol
Appearance	: Transparent
Specific gravity	: 0,98 gr/cm^3
Odor	: Characteristic
Flash Point	: N/A

Package

Stock Code	Type	Volume	Box
YA240	-	400 ML	12

SPRAY PAINT

Designed for numerous application possibilities. Special spray system, which is even used by famous graffiti artists. Available in a broad range of the best-selling colours, mainly matching to RAL.

- Excellent Adhesion
- Indoor/ Outdoor Applications
- Quick-Drying

Application Areas

Suitable for wood, metal, paper, glass or paintable hard plastics as well as for many textiles for any variety of designing applications. Also applicable for the designing of finery, concrete and natural stone.

Features

Very good coverage. Excellent adhesion on many surfaces. Good flow, smooth surface. Quick-drying. Suitable for indoor and outdoor applications. The surface is polishable. Weather-resistant, light-proof, UV-resistant. Scratch-, shock- and impact-resistant. Quick-drying (The drying time depends on surrounding temperature, air humidity and thickness of the applied coat).

Technical Properties

Color	: Diverse	
Smell	: Solvent	
Degree of gloss : Glossy	: 80 gloss units Matt: 5-10 gloss units	DIN 67530
Efficiency	: 0.8-1.5 m^2 * (depending on colour) (400 mL)	
Drying time (20 °C and 50% R.H)	: Approx. 10 minutes (Dust-dry) Approx. 15 minutes (Non-sticky) Approx. 30 minutes (Dry to touch) Approx. 2 hours (Cured) Approx. 24 hours (Can be polished)	
Temperature resistance	: Up to 80°C	

Package

Stock Code	Color	Volume	Box
423130	Ral 1003 Gloss Yellow	400 ml	6
423178	Ral 1015 Gloss Cream	400 ml	6
-	Ral 2008 Gloss Orange	400 ml	6
423161	Ral 3002 Glossy Machine Red	400 ml	6
423024	Ral 3020 Gloss Red	400 ml	6
-	Ral 4003 Gloss Pink	400 ml	6
-	Ral 4005 Gloss Purple	400 ml	6
-	Ral 5002 Gloss Blue	400 ml	6
423031	Ral 5017 Gloss Blue	400 ml	6
423057	Ral 6005 Moss Green	400 ml	6
423185	Ral 6016 Gloss Green	400 ml	6
423053	Ral 7001 Silver Grey	400 ml	6
423056	Ral 7011 Iron Grey	400 ml	6
423109	Ral 7035 Gloss Grey	400 ml	6
423116	Ral 8017 Brown	400 ml	6
423017	Ral 9003 Gloss White	400 ml	6
423123	Ral 9003 Matte White	400 ml	6
422997	Ral 9005 Gloss Black	400 ml	6
423000	Ral 9005 Matte Black	400 ml	6
423154	Ral 9006 Wheel Aluminium	400 ml	6
423055	Metalic Silver	400 ml	6
423079	Glossy Clear Coat	400 ml	6

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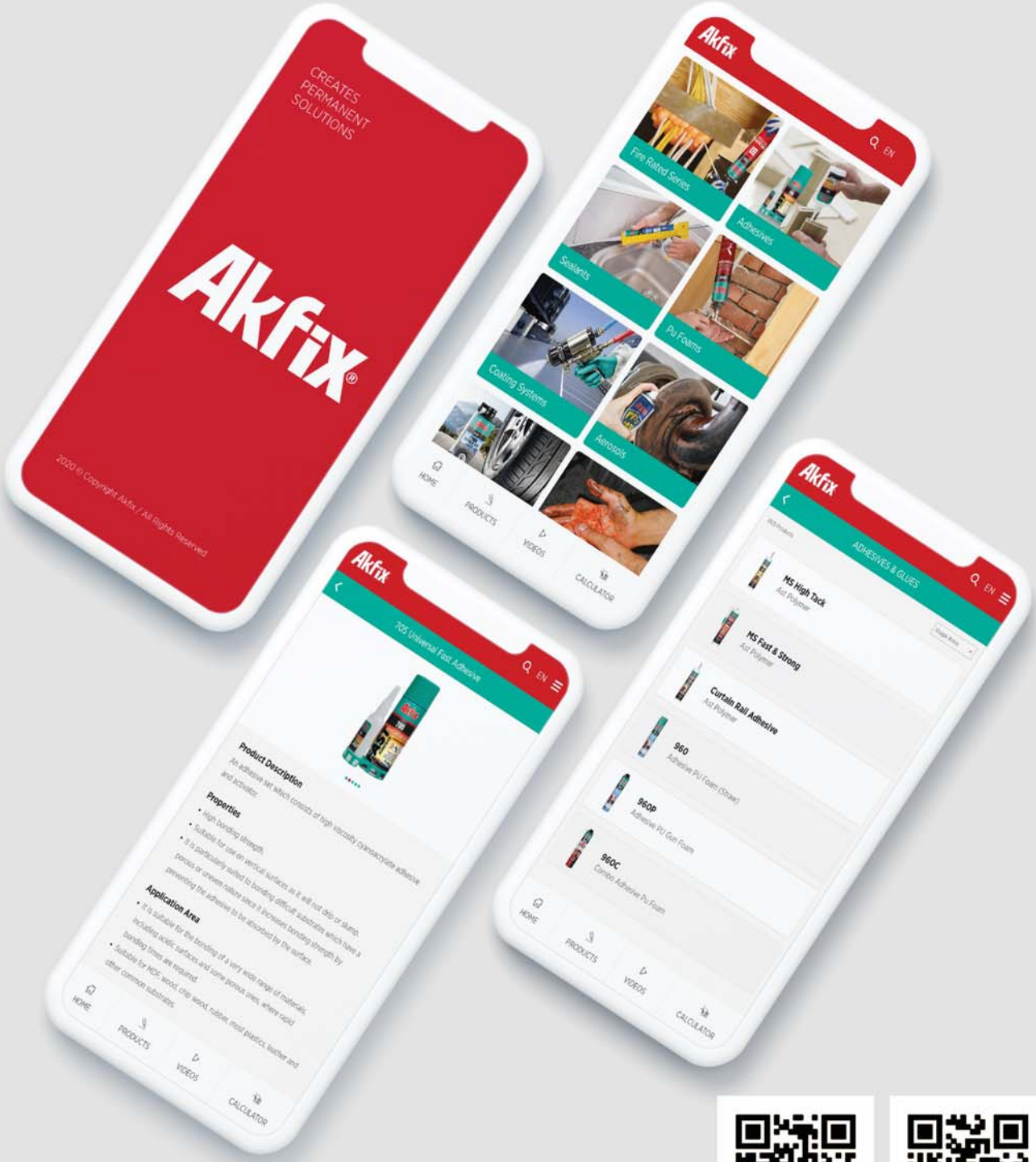
7/24 Pocket Catalog!



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