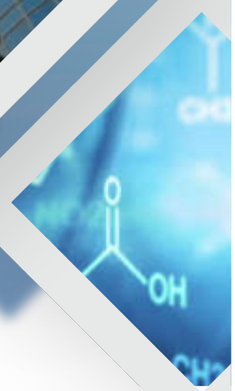
PRODUCT
CATALOG





STAR
TECHNOLOGIES

STAR TECHNOLOGIES
THE BIG PICTURE

Star Technologies is a leading manufacturer of an extensive assortment of adhesives, coatings, sealants, waterproofing materials and other construction chemicals with latest technologies serving construction, industrial and retail markets.

Star Technologies was established in 2000 and currently has production facilities in United Arab Emirates, Saudi Arabia, India to manufacture water based, solvent based and polyurethane adhesives, HVAC coatings, sealants, epoxy and cementitious construction chemicals. Star Technologies specialty products are determined to provide permanent solutions in bonding, sealing and protection.

Decades of global market experience allows Star Technologies to identify the needs and requirements of each region and provide the best solutions for them.

Our products and services are supplied to all the Middle East, Asia, Africa, CIS and India serving many customers in different market segments.

Star Technologies is a part of Abdulaziz Al Sorayai Investment Company, Saudi Arabia. As part of our diversification program, Star Technologies always focuses on hiring qualified experts from different fields and different countries, turning our company to a multi-national organization which creates a warm and friendly atmosphere within the company.

Our Mission

Our mission is to fulfill the needs of our customers by providing our technical support and commit to quality.



INDUSTRIAL AND CONSTRUCTION CHEMICALS

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OUR
CREDO
OUR QUALITY



STAR
TECHNOLOGIES



RESEARCH & DEVELOPMENT

STAR TECHNOLOGIES

Star Technologies innovation and development center combines together the best minds in the industry to generate new ideas in providing the best solutions to our customers.

Our R&D experts are capable to carry out all the needs and requirements - from idea initiation to development stage, testing, fine tuning the products, product application test and manufacturing commercially competitive and well-performing products.

Our research mission is straightforward - to provide the best permanent solutions in industrial and construction chemical segments at affordable prices, without compromising our value and quality.





CONTENT

CONSTRUCTION SEGMENT

Construction Solutions

HVAC Adhesives, Coating & Sealant

Waterproofing Coatings

Epoxy Products

Cementitious Products

Other Sealants

INDUSTRIAL & RETAIL SEGMENTS

Paper & Packaging Adhesives

Contact Adhesives

Wood & Flooring Adhesives

KITCHEN & BATHROOM

JOB TO BE DONE	RECOMMENDED PRODUCTS
Waterproofing of wet areas	StarProof AB 602, AB 605 bitumen cold applied waterproofing, StarCem 2K
Installation of ceramic tiles on walls, on floors	StarFix TA-111
Sealing the gaps between tiles	StarFix JF-001
Self-leveling screed for the floor	StarFix C1-SL one component
Self-leveling screed for the floor	StarFix C2-SL two component
Customized wood furniture installation, assembly	StarFix CA 22-11






HVAC SYSTEMS

JOB TO BE DONE	RECOMMENDED PRODUCTS
Metal duct system assembly	StarFix DG 81-10, StarFix NG 81-10, StarBond UL 81-10
PIR sheet duct assembly	StarFix CA 22-10
NBR rubber duct assembly	StarFix R-242
Duct coating	StarFix DC 30-36, AF 30-36, StarBond UL 30-36
Fire rated duct system installation	StarBond UL 81-10, StarBond UL 30-36
Anti-fungal duct system coating	StarFix AF 30-36
Sealing joints between duct sheets	Star Acryseal






FLOORS

JOB TO BE DONE	RECOMMENDED PRODUCTS
CONCRETE FLOORS	
Concrete floor repair	StarBond EP-MP, StarFix C-RM
Self-leveling floor system	StarBond EP-SL1, StarBond EP-SL2, StarBond EP-SL3, StarFix C1-SL, StarFix C2-SL
Epoxy primer	StarBond EP-300
Epoxy coating	StarBond EPC
Bonding agent	StarBond EBA
TILE FLOORS	
Tile adhesive	StarFix TA-111, StarBond EP-TA
Tile grout	StarFix JF-001, StarBond EP-TG
ELASTIC FLOOR COVERINGS	
Floor adhesive for PVC sheets, vinyl covering, tiles	StarFix FA A-37
Carpet adhesive	StarFix CA-15, Starfix CA 22-13, Starbond CA 22-11






ROOFS

JOB TO BE DONE	RECOMMENDED PRODUCTS
Priming the surface prior to the waterproofing application	StarProof AB-602, StarProof AB-605, StarProof AC-600, StarProof AC-603, StarProof C 80PU
Waterproofing of the roof surface	StarProof AB-602, StarProof AB-605, StarProof AC-600, StarProof AC-603, StarCem 2K, StarCem 2K-UFX
Waterproofing of wet areas	StarProof AB-602, StarProof AB-605, StarCem 2K
Sealing and bonding of any roof/facade metal coverings	StarSeal G-100, StarSeal P-100
Sealing around flashing and other roof elements	StarSeal G-100, StarSeal P-100
Waterproofing and roof heat insulation	StarProof HR-900






FOUNDATIONS

JOB TO BE DONE	RECOMMENDED PRODUCTS
Waterproofing of foundations	StarProof AB-602, StarProof AB-605, StarProof C 80 PU
Sealing the joint gaps	StarSeal G-100, StarSeal P-100, StarSeal RG-100

TERRACES & BALCONIES

JOB TO BE DONE	
Waterproofing of surfaces	StarProof AB-602, StarProof AB-605, StarProof AC-600, StarProof AC-603, StarProof C 80PU
Ceramic tile installation	StarFix TA-111, StarBond EP-TA
Filling the gaps between tiles	StarFix JF-001, StarBond EP-TG
Sealing of joints between the wall and balcony or terrace floor	StarSeal G-100, StarSeal P-100







STAR
TECHNOLOGIES

HVAC ADHESIVES,
COATINGS & SEALANT



STAR TECHNOLOGIES

HVAC ADHESIVES

STARFIX CA 22-10 (PIR GLUE)



It is one component, rubber-based adhesive, formulated with high green strength for bonding wide varieties of foams and metal substrates in pre-Insulated duct system. It is easy to use, with excellent adhesion properties and it has full coverage spray characteristics with conventional or airless spray equipment. Its high solid content and consistency make it ideal for brush or roller application.

ADVANTAGES:

- Good resistance to ageing
- Resistance to high temp up to 180°C
- High initial tack/ green strength
- Chemical resistance
- Bond under high stress

APPLICATION:

Brush: use a clean paintbrush. Apply uniformly to surface and press insulation into place, making sure complete contact is made with applied adhesive. Bonding should be made within 15-20 minutes.

STARBOND UL 81-10 (DUCT GLUE)



It is a UL certified, non-flammable, one component adhesive based on synthetic modified rubber with special tackifier and additive.

ADVANTAGES:

- Economical
- Excellent Cohesive & Bonding strength
- Water Resistance
- Chemical Resistance
- Good wet tack
- Suitable to Middle East climatic condition

APPLICATION:

- Ideal for use in application where fibrous glass wool or similar insulation are bonded to the interior or exterior of metal duct systems
- It can be used for most porous & non-porous surfaces
- It can be applied easily by brush, roller & pressure feeding equipment evenly on both surfaces

STARFIX DG 81-10 (DUCT GLUE)



It is a non-flammable, one component adhesive based on synthetic modified rubber with special tackifier and additives.

ADVANTAGES:

- Economical
- Excellent Cohesive & Bonding strength
- Water Resistance
- Chemical Resistance
- Good wet tack
- Suitable to Middle East climatic condition

APPLICATION:

- Ideal for use in application where fibrous glass wool or similar insulation are bonded to the interior or exterior of metal duct systems
- It can be used for most porous & non-porous surfaces
- It can be applied easily by brush, roller & pressure feeding equipment evenly on both surfaces.

STARFIX R - 242 (NITRILE RUBBER GLUE)



It is a high heat resistant, one component adhesive, specially developed for Nitrile rubber, closed cell foam insulation system.

ADVANTAGES:

- Good smooth flow properties
- Fast drying characteristics
- Very good fire-retardant properties
- Excellent water resistance
- Good chemical resistance
- Excellent heat resistance
- Very good wet & dry tack

APPLICATION:

- Ideal for use in closed cell nitrile rubber foam insulation with range of metal substrates
- It can be used for air duct, pipe sections, slabs, etc.
- It can be applied easily by brush & pressure feeding equipment to a uniform coat

STAR TECHNOLOGIES

HVAC COATINGS

STARBOND UL 30-36 (DUCT COATING)



It is a UL certified, tough, flexible coating with excellent adhesion that forms a durable seal against air leakage.

ADVANTAGES:

- Good adhesion and high strength
- Water resistance
- Non-toxic & non-flammable
- UV Resistance
- Chemical resistance
- Antifungal & antibacterial
- Suitable to Middle East climatic condition
- High temperature resistance

APPLICATION:

- It can be applied easily by brush, roller and airless spray (please contact your equipment supplier followed by product viscosity mentioned in data)
- It has excellent water, chemical, abrasion and U.V resistance
- Recommended to be used over mineral wool, glass fiber by coated with canvas cloth in outdoor and indoor thermal insulation system.

STARFIX DC 30-60 (DUCT COATING)



It is a tough and flexible adhesive and coating which forms a durable seal against air leakage.

ADVANTAGES:

- Good Adhesion and high strength
- Water resistance
- Non-toxic & non-flammable
- UV Resistance
- Chemical Resistance
- Antibacterial
- Suitable to Middle East climatic condition
- High temperature resistance
- Excellent insulation properties

APPLICATION:

- It can be applied easily by brush, roller and airless spray (please contact your equipment supplier followed by product viscosity mentioned in data)
- It has excellent water, chemical, abrasion and U.V resistance
- Recommended to be used over mineral wool, glass fiber by coated with canvas cloth in outdoor and indoor thermal insulation system.

STARFIX AF 30-36 (ANTI-FUNGUS)



It is a flexible adhesive and coating which forms a durable seal against air leakage. It can be used where the humidity level has to be sustained at or above 90%.

ADVANTAGES:

- Good adhesion
- Water resistance
- Non-toxic & non-flammable
- UV resistance
- Chemical resistance
- Antifungal & antibacterial
- Suitable to Middle East climatic condition

APPLICATION:

- It can be applied easily by brush, roller and airless spray (please contact your equipment supplier followed by product viscosity mention in data)
- It has excellent water, chemical, abrasion and U.V resistance
- Recommended to be used over mineral wool, glass fiber by coated with canvas cloth in outdoor and indoor thermal insulation system.
- Can be used as atop coat of normal coating to protect from fungal.

STARFIX VB-95 (VAPOR BARRIER)



It is a synthetic resin water-based vapor barrier coating specially developed for all types of internal and external thermal insulation duct systems. It is formulated for increased vapor barrier protection and for heavy duty commercial or industrial purposes.

ADVANTAGES:

- Excellent brushing characteristics make it to have a good coverage and proper leveling
- It doesn't change color with age
- It doesn't contain asbestos, lead, mercury or mercury compound
- Water and moisture resistance
- UV resistance
- Smooth finish on almost all substrates

APPLICATION:

- Ideal for use over internal and external HVAC duct, ASJ, FRK and FSK jackets and board facing to give a vapor barrier seal at joints, laps and weld pin punctures.
- It is used for sealing and fitting, piping, vessel ducts and equipment operating between 0°C and ambient temperatures
- It is used on mineral wool, glass fiber and polyurethane foam
- It can be applied easily by brush, roller and airless spray (please contact your equipment supplier followed by product viscosity mentioned in data).



STAR ACRYSEAL DS 32-17 (ACRYLIC JOINT SEALANT)

It is an aqua based, vapor barrier sealant for low, medium and high pressure or high velocity – metal, fiberglass and flexible heating and air conditioning air ducts, forming a durable seal against air leakage.

ADVANTAGES:

- Non-Flammable
- Excellent adhesion & High strength
- Highly resistance to extreme temperature changes and aging.
- Suitable to Middle East climatic condition
- Highly resistance to mold & mildew
- Highly Elastic
- Resistance to oil or grease
- Mildly resistance to diluted alkalis and acids

APPLICATION:

- HVAC Application
- It is also used as an adhesive to metal, aluminum, Ceramic, Concrete, mild steel, etc.
- Conforms to ASTM C-411 (Hot Surface Performance of High Temperature Thermal Insulation)
- Conforms to ASTM C-732 (Aging Effects of Artificial Weathering on Latex Sealants)
- Conforms to ASTM D-2202 (Slump Test)
- It does not contain Asbestos, Lead, Mercury or Mercury compounds
- It can be applied using a wide variety of power extrusion equipment suitable for use with water base sealant.

WATERPROOFING
PRODUCTS





STAR TECHNOLOGIES

WATERPROOFING PRODUCTS

STARPROOF AB-602 (BITUMEN)



It is a high performance cold applied single component waterproofing membrane, designed from a blend of special resin and rubber, reinforced with exceptional water repelling fillers, minerals, stabilizers and gelling agent. STARPROOF AB-602 can be applied over several types of substrates as waterproofing and protective coating for concrete and masonry.

ADVANTAGES:

- Single component, easy to apply, no need of mixing or heating
- Elastomeric bridge for minor cracks which may occur in concrete substrate
- High elongation
- Excellent adhesion to substrate
- Highly elastic product and cures to rubber like membrane
- Capable of withstanding severe causes of expansion, contraction and deck movements

APPLICATION:

- Suitable for waterproofing and protection of wet areas (kitchen, bathroom and etc.)
- Vapor barrier coating for walls and floors
- Waterproofing system for shaded or tiled roofs
- Waterproofing for polyurethane foam slab
- Waterproofing for polyester built up roofs
- Maintenance of existing roofs, masonry and concrete walls

STARPROOF AB-605 (BITUMEN)



It is a high built cold applied rubberized waterproofing membrane, specially designed from a blend of special resin and rubber, reinforced with specific water repelling fillers, mineral stabilizers and gelling agent. STARPROOF AB-605 can be applied over several types of substrates as waterproofing and protective coating for concrete and masonry.

ADVANTAGES:

- Single component, easy to apply, no need of mixing or heating
- Elastomeric bridge for minor cracks which may occur in concrete substrate
- High elongation
- Excellent adhesion to substrate
- Highly elastic product and cures to rubber like membrane
- Capable of withstanding severe causes of expansion, contraction and deck movements

APPLICATION:

- Suitable for waterproofing and protection of wet areas (kitchen, bathroom, balcony and etc.)
- Vapor barrier coating for walls and floors
- Waterproofing system for shaded or tiled roofs
- Waterproofing for polyurethane foam slab
- Waterproofing for polyester built up roofs
- Maintenance of existing roofs, masonry and concrete walls

STARPROOF AC-600 (ACRYLIC)



It is a special synthetic resin based waterproof coating with excellent flexibility and thixotropic nature. Ideal for use on vertical as well as horizontal surfaces.

ADVANTAGES:

- Environmentally safe
- Easy application
- Excellent UV resistance
- Suitable to most of the surfaces
- Good coverage
- Resistant to the abrasion or light pedestrian traffic

APPLICATION:

- Roof waterproofing
- Waterproofing for roofs ranging from asphalt, asbestos cement to concrete and terrazzo tiles
- Recommended for both, horizontal and inclined structures
- Can be applied not only to concrete but also to wood and metal surfaces
- Waterproofing membrane for flat roofing systems (traditional and inversed)
- It can be used as a protective and reflective coating over polyurethane foam installation.

STARPROOF AC-603 (ACRYLIC)



It is a blend of special acrylic polymer resins and additives. It provides a seamless, durable, elastomeric and vapor permeable membrane and has perfect UV resistance .

ADVANTAGES:

- Absolute waterproof
- Seamless, tough and flexible finish
- High solar reflectivity and UV protection
- Suitable for variety of roof substrates
- Water vapor permeable

APPLICATION:

- It is used for concrete roofs, polyester build up roofs, masonry and concrete walls
- It can also be used for other applications such as reflective and protective waterproof coating to concrete, asphalt and bitumen, asbestos cement, slates and tiles, zinc, timber surfaces and etc.
- It can be used as a protective and reflective coating over polyurethane foam installation.

STAR TECHNOLOGIES

WATERPROOFING PRODUCTS

STARPROOF 5000 (ACRYLIC)



It is a synthetic resin based elastomeric waterproof coating with excellent UV stability and anti-fungal properties.

ADVANTAGES:

- Environmentally safe
- Easy application
- Excellent UV resistance
- Suitable to most of the surfaces
- Good coverage
- Resistant to the abrasion or light pedestrian traffic
- Good anti-fungal properties

APPLICATION:

- Waterproofing for roofs
- Waterproofing for roofs ranging from asphalt, asbestos cement, to concrete and terrazzo tiles
- Recommended for both horizontal and inclined structures
- Can be applied not only to concrete but also to wood and metal surfaces
- Waterproofing membrane for flat roofing systems (traditional and inversed)

STARPROOF C80 PU (PU MODIFIED)



It is a single component moisture curing coal tar modified polyurethane liquid applied elastomeric coating membrane for waterproofing and protection of a wide range of surfaces. The cured membrane has rubber like finish with exceptional elasticity which allows contraction and expansion over a wide range of temperatures

ADVANTAGES:

- Excellent bonding to substrate, water cannot travel beneath membrane even if accidently punctured
- Applied over horizontal and vertical surfaces, on vertical surfaces it should be applied in multiple coats
- Provides seamless waterproofing membrane free from joints
- Long term continuous water retaining structures
- Excellent Tensile Strength.

APPLICATION:

- Ideally suited for parking garages
- Shopping malls
- Bridge decks
- Elevated sidewalks and roadways
- For waterproofing tunnels
- Foundations, basements
- Ground floors, suspended floors
- Car decks, roof terraces, balconies, patios
- Bridges, inspection pits, water retaining structures (not potable water), sewage works and inverted roofs

STARPROOF HR-900 (HEAT REFLECTIVE COOL ROOF COATING)



It is a single component, high solar reflectance material that keeps roofs cooler in high hot weather conditions as protective coating for thermal shocks. Tough and seamless membrane resists many harsh chemicals, bridges and airline cracks. It has great UV protection properties and performs excellent dirt pick-up resistance and retain its flexibility long after aging.

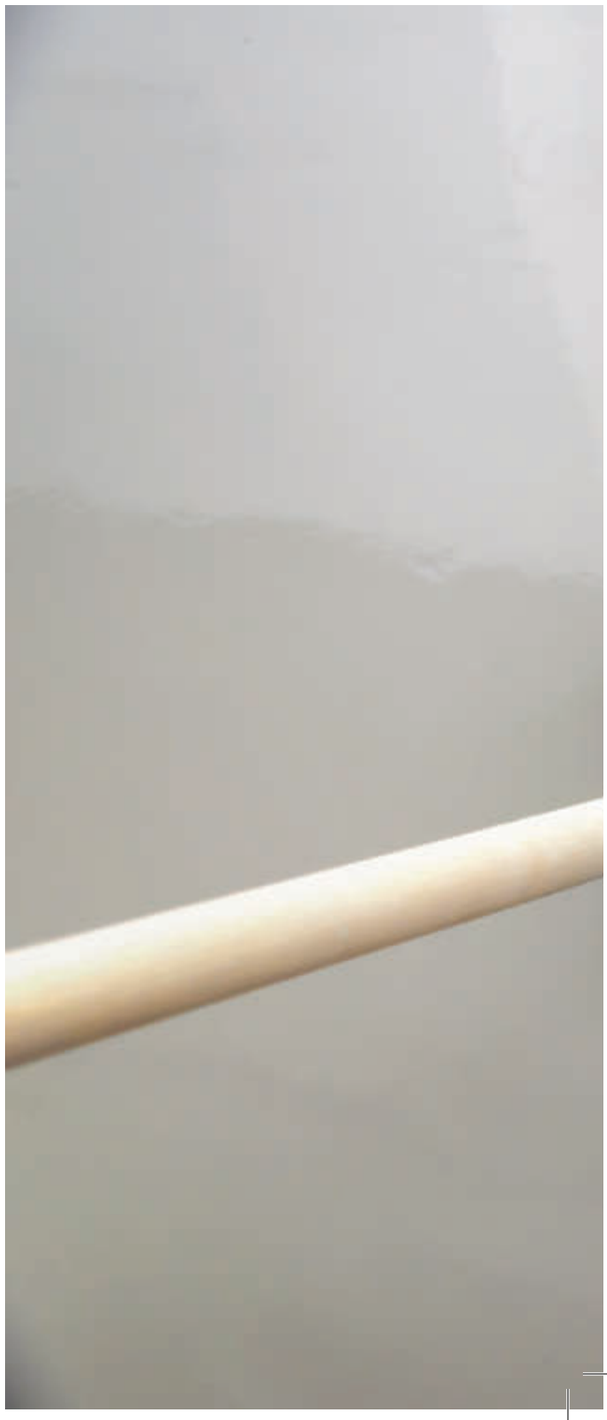
ADVANTAGES:

- Reduce the energy required for interior cooling
- Reduce thermal stresses on the roof, hence improving system lifetimes
- Improve indoor thermal comfort
- Reduce running and maintenance cost
- Increase the value of buildings
- High heat insulation and reduces thermal conductance
- Protects exposed concrete structures against carbonation and ingress of atmospheric gases and salts
- Excellent UV and dirt pick-up resistance
- Non-toxic, washable and environment friendly
- Low VOC

APPLICATION:

- Sloped concrete roofs, metal profile and asbestos roofs, top coats as combo roof, PU foams
- Roofs, terraces, balconies, domes
- Sandwich panels, corrugated sheets
- Over coating on mineral surfaced waterproofing membranes
- Concrete facades

EPOXY
PRODUCTS





STAR TECHNOLOGIES

EPOXY PRODUCTS

STARBOND EP-MP (MULTI-PURPOSE PUTTY)

It is a two component, easy to use multi-purpose putty. It is useful in sealing, gripping, joining & insulating variety of surfaces like ferrous and non-ferrous metals, porcelain, ceramic, marble, granite, ivory, asbestos, glass, wood, leather etc. On curing exhibits tough & long lasting bond and sets into a hard mass that can be drilled, filed, tapped, machined, cut and then painted. It has very good electrical insulating properties and the cured product is resistant to moisture, heat, mild acids & alkali.

ADVANTAGES:

- Easy to use
- High bonding, compressive and flexural strength for horizontal, vertical and overhead jobs
- Resistant to impact, vegetable & mineral oils and alkalis
- Excellent grindery ability

APPLICATION:

Apply by trowel or spatula to contact surface and press both the parts together until cure. Cracks and rigid joints can be filled either by troweling, or grouting.
Surface must be structurally sound, clean and free from dust, oil, grease, curing compounds, concrete laitance and other loose debris. Surface should be fairly rough. New concrete must be 28 days old and possess an open, porous and all surface treated curing agents and sealers should remove. Recommended methods for preparing concrete are by sandblasting, water jet, acid etching, grinding, wire brushing, or by pneumatic chipping tools. All free-standing water must be removed and substrate allowed to completely dry. In general, the surface preparation and application methods recommended in our method statement should be followed.

STARBOND EP-300 (PRIMER)

It is a 100% reactive, two-component epoxy system consisting of an epoxy resin and amine type hardener. It is designed as a moisture insensitive adhesive and binder for numerous applications need and available in low viscosity and high modulus.

ADVANTAGES:

- High compressive and tensile strength
- Highly resistant to aggressive chemicals
- Corrosion and abrasion resistant
- Can withstand operating temperature from -30°C to 100°C (dry heat)
- Universal adhesive for bonding together concrete, wood, ceramic and steel materials
- Bond fresh concrete topping to hardened concrete slab waterproof.
- Supplied pre-weighed quantities.
- May be extended with sand or aggregate for thick applications and mortar repairs.

APPLICATION:

- Sealing porous concrete
- Binder in epoxy mortars
- Crack Injection
- Joint repair material
- Coating and Priming
- General Adhesive
- Anchoring

STARBOND EPC (EPOXY COATING)

It is a two component, solvent-free, epoxy resin self-smoothening chemical resistant floor coating system. It has excellent adhesion qualities, chemical resistant and glossy finish and can be easily cleaned.

ADVANTAGES:

- Excellent wear under heavy traffic
- High flow characteristics combined with an attractive self-smoothing finish
- Fast application - minimizes downtime
- Chemically resistant - good resistance to a wide range of chemicals
- Durable and good impact resistance
- Hygienic - provides a dense, impervious, seamless floor surface which is easily cleaned
- Attractive - available in a wide range of colors to enhance the working environment
- Solvent free, low odor and safe application.

APPLICATION:

STARBOND EPC is designed for use in wide range of industrial environments where a lasting solution to floor maintenance problems is required. It provides a dense, impervious, colored and chemically resistant floor surface which is hygienic and easy to clean. Typical applications include:

- Heavy duty concrete floor coating in industrial and commercial areas such as warehouses, service stations, chemical plants, metal treatment plants, internal car parking decks.
- Machinery service areas.
- Rust preventing coating for steel and concrete tanks.
- Coating on steel exposed to abrasion

STARBOND EP-SL1 (EPOXY SELF-LEVELING)

It is a solvent free, high performance three components pigmented self levelling product composed of epoxy resin, hardener and fillers pack. Is a specially selected product for new and old concrete floor to provide hard wearing, chemical resistant, impervious and easy to clean seamless floor topping. It has enough flexibility to withstand impact while industrial traffic.

ADVANTAGES:

- Provides high level filling in a single application
- Excellent resistance to chemical spills
- Bonds tenaciously to become an integral part of floor
- Excellent abrasion and intense transit resistance
- Non-tainting. Suitable for food processing areas
- Longer pot life suited for tropical climate
- Available in wide range of colors
- Smooth impervious seamless floor and easy to clean surface
- Solvent free formulation ensures low odor application
- Flowable consistency for self levelling application and easy to maintain

APPLICATION:

The surface of the concrete to be prepared shall be sound, clean and uncontaminated. All contaminations such as oil, grease, curing membranes should be removed thoroughly. This shall be achieved by mechanical means such as mechanical scarifier, shot/sand blaster, etc. if the substrate is acid etched it should be thoroughly cleaned with fresh water and allowed to dry. The cement laitance / projections shall be removed thoroughly and the pot holes shall be levelled with epoxy mortars to achieve the even surface. And all remaining loose particles and deleterious matter has to be removed, followed by vacuum cleaning to remove the dust debris. Any blow holes, chipping or similar surface imperfections shall be repaired using Star solvent free epoxy repair mortar. Allow the material to harden. Expansion joints shall be repaired using Star epoxy HS mortar. New concrete or cementitious surfaces should be allowed to cure and have moisture content not exceeding 5%. Old or existing floor should be refurbished mechanically to ensure clear sound substrate.

STAR TECHNOLOGIES

EPOXY PRODUCTS

STARBOND EP-SL2 (EPOXY SELF-LEVELING)

It is a solvent free, high performance three components pigmented self levelling product composed of epoxy resin, hardener and fillers pack. Is a specially selected product for new and old concrete floor to provide hard wearing, chemical resistant, impervious and easy to clean seamless floor topping. It has enough flexibility to withstand impact while industrial traffic.

ADVANTAGES:

- Provides high level filling in a single application
- Excellent resistance to chemical spills
- Bonds tenaciously to become an integral part of floor
- Excellent abrasion and intense transit resistance
- Non-tainting. Suitable for food processing areas
- Longer pot life suited for tropical climate
- Available in wide range of colors
- Smooth impervious seamless floor and easy to clean surface
- Solvent free formulation ensures low odor application
- Flowable consistency for self levelling application and easy to maintain

APPLICATION:

The surface of the concrete to be prepared shall be sound, clean and uncontaminated. All contaminations such as oil, grease, curing membranes should be removed thoroughly. This shall be achieved by mechanical means such as mechanical scarifier, shot/sand blaster, etc. if the substrate is acid etched it should be thoroughly cleaned with fresh water and allowed to dry. The cement laitance / projections shall be removed thoroughly and the pot holes shall be levelled with epoxy mortars to achieve the even surface.

STARBOND EBA (EPOXY BONDING AGENT)

It is a two component epoxy system with 100% reactive and solvent free epoxy resin and amine type hardener. It is designed as a moisture insensitive bonding adhesive and binder for numerous application needs and available in low viscosity and high modulus. Base component comprises in white color and hardener in black color, once mixed it uniforms grey color.

ADVANTAGES:

- High compressive and tensile strength
- Highly resistant to aggressive chemicals
- Corrosion and abrasion resistant
- Can withstand operating temperature from -30°C to 100°C(dry heat)
- Universal adhesive for bonding together concrete, wood, ceramic and steel materials
- Bond fresh concrete topping to hardened concrete slab waterproof
- Supplied pre-weighed quantities
- May be extended with sand or aggregate for thick applications and mortar repairs

APPLICATION:

- Sealing porous concrete
- Binder in epoxy mortars
- Crack injection
- Joint repair material
- Coating and priming
- General adhesive
- Anchoring

STARBOND EP-TA (EPOXY TILE ADHESIVE)

It is a three component, solvent free epoxy based tile adhesive. Product is developed for fixing ceramic tiles where chemical and abrasion resistance required.

ADVANTAGES

- Easy for application
- Resistance to acid and alkalis
- Interior and exterior use
- Various range of colors
- Waterproof property
- Excellent abrasion resistance
- High bond strength with concrete, ceramic and steel

STARBOND EP-SL4 (EPOXY SELF-LEVELING)

It is a solvent free, high performance three-component pigmented self levelling product, composed of epoxy resin, hardener and filler pack. It is a specially selected product for new and old concrete floor to provide hard wearing, chemical resistant, impervious and easy to clean seamless floor topping. It has enough flexibility to withstand impact while industrial traffic.

ADVANTAGES:

- Provides high level filling in a single application
- Excellent resistance to chemical spills
- Bonds tenaciously to become an integral part of floor
- Excellent abrasion and intense transit resistance
- Non-tainting. Suitable for food processing areas
- Longer pot life suited for tropical climate
- Available in wide range of colors
- Smooth impervious seamless floor and easy to clean surface
- Solvent free formulation ensures low odor application
- Flowable consistency for self levelling application and easy to maintain

APPLICATION:

The surface of the concrete to be prepared shall be sound, clean and uncontaminated. All contaminations such as oil, grease, curing membranes should be removed thoroughly. This shall be achieved by mechanical means such as mechanical scarifier, shot/sand blaster, etc. if the substrate is acid etched it should be thoroughly cleaned with fresh water and allowed to dry. The cement laitance / projections shall be removed thoroughly and the pot holes shall be levelled with epoxy mortars to achieve the even surface.

STARBOND EP-TG (EPOXY TILE GROUT)

It is a three component, solvent free, epoxy based joint filling grout for ceramic tile joints and filling quarry where chemical and abrasion resistance required.

ADVANTAGES:

- Easy for application
- Waterproof property
- Resistance to acid and alkalis
- Excellent abrasion resistance
- Interior and exterior use
- High bond strength with concrete, ceramic and steel
- Various range of colors

APPLICATION:

It is important that surfaces should be clean and free from dust, loose particles and grease. Oil and grease contaminated concrete surfaces should be treated with proper degreaser and then washed well with clean water. Steel surfaces should be grit blasted to SA 2½ and the grout applied within 3 hours of blasting.

The base and hardener components should be individually stirred to re-disperse any settlement. Base and hardener should then be mixed until a uniform grey paste is obtained. The filler should then be incorporated using a slow speed drill and paddle. The mixed grout should then be applied rubber trowel, sweeping the grouting paste into the joints. Alternatively use the hand operated gun to fill in the joints. Ensure that all the joints are completely filled.

After about 30 minutes or prior to the expiry of pot life of the grout, clean the excess grout with a cellulose sponge and clean warm water to provide neat finish surfaces.

CEMENTITIOUS
PRODUCTS



STAR TECHNOLOGIES

CEMENTITIOUS PRODUCTS

STARCEM 2K (CEMENTITIOUS WATERPROOFING)

It is a two component cementitious & acrylic polymer based flexible waterproofing & protective coating. It is made up from best quality Portland cement, properly selected & graded aggregates, additives & acrylic polymer as a binder. It is applied to waterproof and protect concrete and similar structures. Specially designed for swimming pools, submerged tunnels, sumps, bridge decks, marbles, granites retaining walls, pile Heads, water tanks and a wide variety of extreme service class structures because on curing it forms an excellent elastomeric, tough, waterproof & protective layer over the substrate.

AD VANTAGES:

- Flexibility - Provides a flexible & low permeable coating.
- Adhesion - Excellent adhesion to concrete, natural and artificial stone
- Diffusion –Excellent resistance to ion diffusion and carbon dioxide
- Low temperature resistant - Resistance to freeze-thaw cycles and de-icing salts
- Carbonation – Prevents carbonation of cement concrete
- Water permeability – Excellent resistance to ingress of water
- Slip resistant – Provides slip resistance coating

APPLICATION:

The surface must be thought & free from dirt, dust & loose particles. Metal brush the surface & clean the dust by air compressor or wash the surface with water. Oil & grease must be removed using degreasing solvents. Any damaged surface must be repaired by using polymer modified repair mortar (Starcrete)

Stir/Shake well the liquid component to a homogenous milky color , before mixing transfer entire quantity of liquid component into mixing container, gradually start addition of powder component under constant mixing with a stirrer using motor stirrer at slow speed at 250 – 300 rpm for Approx. 3 minutes to a homogeneous & uniform free flowing slurry.

Apply slurry coat of mixed material for two coats at a coverage rate of 1.4 kg/sq.m over the set concrete slab by masonry brush.

STARCEM 2K-UFX (CEMENTITIOUS WATERPROOFING- ULTRA FLEXIBLE)

It is a two component cementitious & acrylic polymer based, ultra-flexible waterproofing & protective coating. It is made up from high quality Portland cement, properly selected & graded aggregates, additives & acrylic polymer as a binder. It is applied to waterproof and protect concrete and similar structures. Specially designed for swimming pools, submerged tunnels, sumps, bridge decks, marbles, granites retaining walls, pile heads, water tanks and a wide variety of extreme service class structures because on curing it forms an excellent elastomeric, tough, waterproof & protective layer over the substrate.

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- Diffusion –Excellent resistance to ion diffusion and carbon dioxide
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Apply slurry coat of mixed material for two coats at a coverage rate of 1.4 kg/sq.m over the set concrete slab by masonry brush.

STARFIX SF-045 (SELF-LEVELING CEMENTITIOUS FLOORING SYSTEM)

It is a free flowing, pre-blended powdered grout, composed of high strength cement, graded aggregates and special admixtures with an expansive formulated agent.

ADVANTAGES:

- Excellent impermeability to water
- Excellent adhesion to iron and concrete
- Flowable and self-leveling
- Excellent resistance to dynamic/mechanical stress
- Non-shrink performance provides excellent bearing
- Modulus of elasticity and thermal expansion coefficient similar to those of high quality concrete
- High strength and non-staining

APPLICATION:

STARFIX SF-045 is specially formulated for use on anchoring bolts, machine bases of all types, column base plates, filling rigid joints between elements in concrete and precast concrete structures, installations below wall level, etc.





STARFIX BA SC-40 (BONDING AGENT)

It is derived from plasticized polyvinyl acetate emulsion for use in construction industry as an adhesive and additive to concrete and plasters and as a universal bonding agent and an admixture for cement.

ADVANTAGES:

- Economical & simple to use
- Universal bonding agent
- Good adhesion
- Excellent abrasion resistance & elasticity
- No flammability & toxicity
- Numerous applications from one product
- Suitable for Middle East climate conditions

APPLICATION:

As general-purpose adhesive – use undiluted

As surface sealer – one part of adhesive with four parts of water (1:4 dilution)

As plaster bonding agent – use one part of adhesive with two parts water (1:2 dilution)

As concrete additive – use 20–30 liters of adhesive for 100 kg of cement

As a bonding agent for tiles – seal with a solution of one part of adhesive to five parts of water. Before bedding in tiles, apply to floor and base of tiles; a dilution of three parts of adhesive to one part of water.

In bonding new concrete to old – apply a sealing coat of adhesive diluted with four parts water and allow to dry. Apply a bonding coat of adhesive diluted with an equal ratio of water and lay the new concrete while this coat is still tacky. For maximum bond strength add 5–10 liters of adhesive per 100 kg of cement

For cement screeds and renderings, plasters - seal the surface using one part of adhesive to four parts water. Allow this to dry, then apply a bonding coat of one part of adhesive diluted two parts of water. Screed plaster or render on the tacky bonding coat using normal techniques. Cure cementitious screeds and renders properly.

SEALANT
PRODUCTS



STAR TECHNOLOGIES

SEALANT PRODUCTS

STARSEAL PS-PG
(POLYSULFIDE SEALANT-POURING GRADE)

It is the two-part elastomeric sealant based on a liquid polysulfide polymer which when mixed with accelerator (curing agent) cures by chemical reaction to form a tough, flexible rubber seal. This sealant has excellent fuel resistance, adhesion to different substrates like masonry, concrete with excellent movement accommodation.

ADVANTAGES:

- Easy to use, cold applied
- Pourable & self-leveling
- Excellent adhesion with many substrates
- Very high thermal flexibility
- Good UV, flame and fuel resistance
- Excellent water proof

APPLICATION:

- Aircraft fueling areas
- Oil terminals
- Garage forecourts
- Concrete roads
- Parking and cargo areas
- Warehouses
- Industrial floors

STARSEAL PS-GG
(POLYSULFIDE SEALANT- GUN GRADE)

It is a non-slumping two component, chemically curing polysulfide joint sealant. STARSEAL PS-GG is specifically designed to be used as a watertight seal for moderate movement and control joints. It is based on a liquid polysulfide polymer which when mixed with the hardener, cures to form a tough, flexible and non-staining rubber like seal.

ADVANTAGES:

- Highly resilient with excellent recovery characteristics
- Provides permanent and uniform watertight seal
- Non-staining
- Excellent resistance to fatigue and stays flexible throughout its service life – won't become brittle, caulk or crack due to ultra violet exposure
- Prevents uncontrolled cracking by allowing expansion and contraction during temperature changes
- Excellent adhesion to most common building substrates

APPLICATION:

- Bridge decks and highway pavements
- Water treatment structures
- Runways
- Sealing of roof flashing
- Parapet walls
- Metal and concrete sea walls

PAPER & PACKAGING
ADHESIVES





STARFIX CW (CORE WINDING ADHESIVE)

It is a core winding adhesive based on polyvinyl acetate adhesive, can work with any kind of paper/ cardboard under different machine conditions, including high speed manufacturing process.

ADVANTAGES:

- Economical
- Suitable wet tack
- Good release
- Low penetration
- Best quality impression for end users
- Optimized production capacity
- Non-flammable
- Non-toxic

APPLICATION:

- Excellent adhesion to paper and paper-based products in all kind of application. Example PAPER CUPS
- Compatible with range of paper such as core, paper board, hardboard through paper, tissue boards and aluminum etc.
- Application include paper assembly gluing, panel surfacing, paper foil laminating, core winding, paper laminating and edge jointing, block-paper core composing, etc



STARFIX LV-CW
(LOW VISCOSITY CORE WINDING ADHESIVE)

It is a low viscosity core winding adhesive based on polyvinyl acetate adhesive, can work with any kind of paper/ cardboard under different machine conditions, including high speed manufacturing process.

ADVANTAGES:

- Economical
- Suitable wet tack
- Good release
- Low penetration
- Best quality impression for end users
- Optimized production capacity
- Non-flammable
- Non-toxic

APPLICATION:

- Excellent adhesion to paper and paper-based products in all kind of application. Example PAPER CUPS
- Compatible with range of paper such as core, paper board, hardboard through paper, tissue boards and aluminum etc.
- Application include paper assembly gluing, panel surfacing, paper foil laminating, core winding, paper laminating and edge jointing, block-paper core composing, etc

STARFIX CW-R
(HONEY COMB CORE & PALLETS ADHESIVE)

It is a core winding adhesive based on polyvinyl acetate adhesive, can work with any kind of paper/ cardboard under different machine conditions, including high speed manufacturing process.

ADVANTAGES:

- Economical
- Suitable wet tack
- Good release
- Low penetration
- Best quality impression for end users
- Optimized production capacity
- Non-flammable
- Non-toxic

APPLICATION:

- Excellent adhesion to paper and paper-based products in all kind of application. Honey comb core lamination & pallets
- Compatible with range of paper such as core, paper board, hardboard through paper, tissue boards and aluminum etc.
- Application includes paper assembly gluing, panel surfacing, paper foil laminating, core winding, paper laminating and edge jointing, block-paper core composing, etc.

CONTACT
ADHESIVES



STARFIX CA 22-11
(MULTI-PURPOSE CONTACT ADHESIVE)



It is a solvent based multi-purpose contact adhesive, based on polychloroprene. This has been developed specially for use in tropical and hot climates.

ADVANTAGES:
- Quick dry application
- Good initial wet tack
- Wider coverage
- Economical and simple to use.
- Resistant to heat, moisture and detergent.
- Applied easily by roll or brush
- Use on porous & non-porous substrates.
- Excellent water resistance
- Good chemical resistance

APPLICATION:
- It conforms with ASTM D903-98 (2010)
- It can also be used for most of porous & non- porous surfaces.
- Excellent for bonding textiles, paper, cardboard sheets, foam, wood, rubber, laminates and plastics
- For fixing carpet, felt backing vinyl floor tiles
- It is easy to apply by roller or brush

STARFIX CRP-15
(CARPET ADHESIVE)



It is a solvent based, polychloroprene contact adhesive, formulated for carpet installation applications. This product grade has been developed tropical and hot climates uses.

ADVANTAGES:
- Good initial wet tack
- Extended setting time allowing carpet installation for adjustments
- Wider coverage
- Economical and simple to use
- Resistant to heat, moisture and detergent
- Applied by roll or brush
- Excellent water resistance
- Good chemical resistance

APPLICATION:
- It can also be used for all types of flooring construction porous & non- porous surfaces
- For fixing carpet, felt backing vinyl floor tiles
- It is easy to apply by roller or brush

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STAR TECHNOLOGIES

WOOD & FLOOR
ADHESIVES



STAR TECHNOLOGIES

WOOD & FLOOR ADHESIVES

STARFIX WA HP-20
(HIGH PERFORMANCE WOOD ADHESIVE)



It is a high-performance transparent lamination and carpentry adhesive, derived from a blend of selected PVA polymers and tackifier.

ADVANTAGES:
- Superior tensile & breaking strength
- Good wet tack
- Non-flammable & non-toxic
- Excellent bonding strength
- Good flow properties
- Anti-fungicidal/ anti-microbial

APPLICATION:
- It complies with BS 4071 specifications
- It is used on bonding wide range of wood-based product such as veneer, plywood, block-boards, hardboard, chip boards and fiber boards. It is also used in veneer and paper foil laminating, finger and edge jointing, block-wood core composing, veneer splicing
- Adhesion to wood and wood-based products in cold & hot setting application
- Recommended for flush door manufacturers
- It can be applied easily by brush, roller & pressure feeding equipment to a uniform coat

STARFIX WA GP-50
(GENERAL PURPOSE WOOD ADHESIVE)



It is an economical grade, high-performance general-purpose wood adhesive.

ADVANTAGES:
- Economical
- Non-flammable & non-toxic
- Excellent bonding strength
- Excellent water resistance
- Good flow properties
- Anti-fungicidal/ anti-microbial

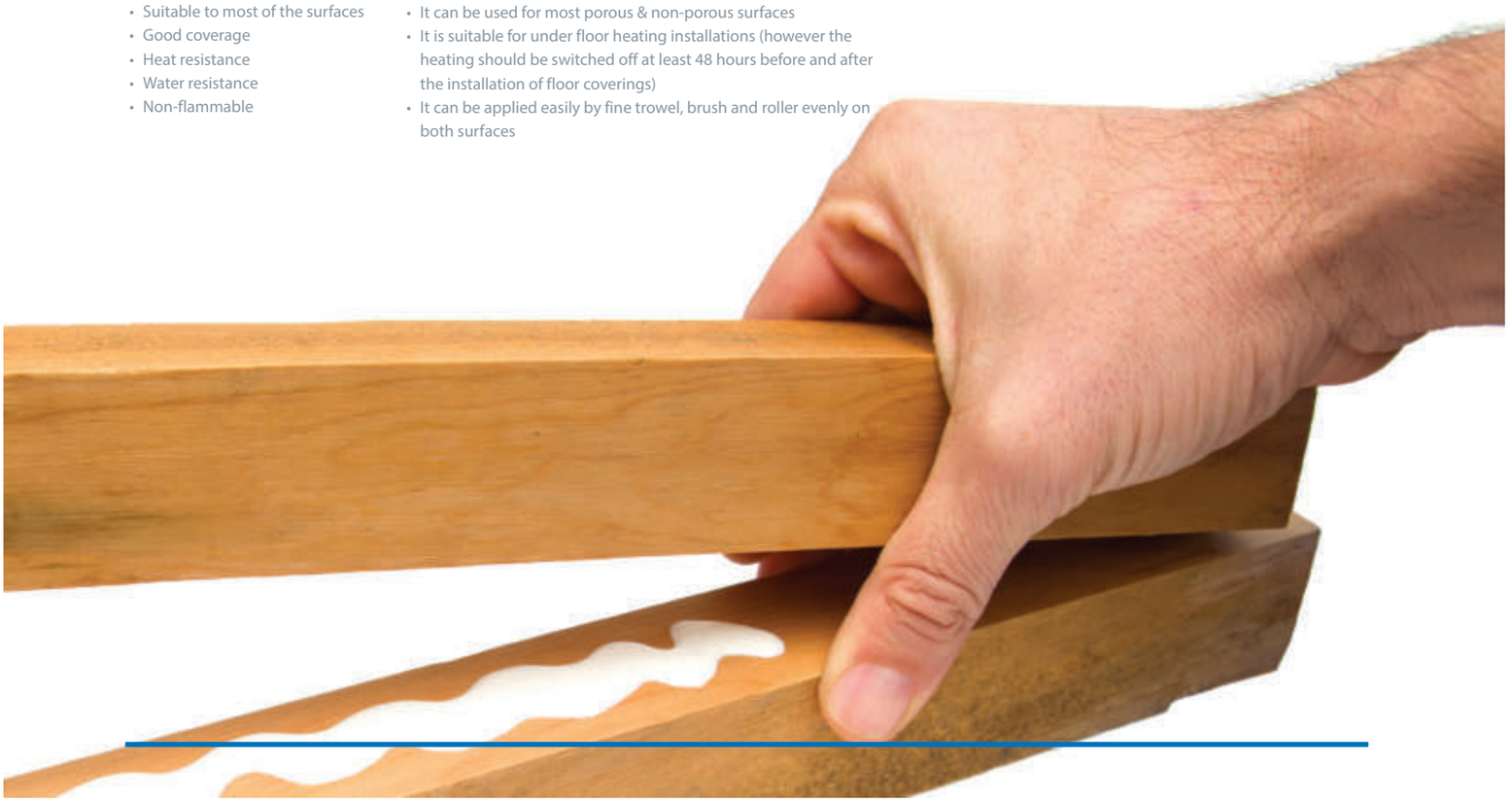
APPLICATION:
- It complies with BS 4071 specifications
- It meets DIN 68602 31 B3 or B4 on water resistance characteristics
- It is used on bonding wide range of wood-based products such as veneer, plywood, block-boards, hardboard, chip boards and fiber boards. It is also used in veneer and paper foil laminating, finger and edge jointing, block-wood core composing, veneer splicing.
- Adhesion to wood and wood-based products in cold setting application
- Recommended for flush door manufacturers
- It can be applied easily by brush & pressure feeding equipment to a uniform coat

STARFIX FA A-37 (FLOOR ADHESIVE)

It is a special type of synthetic resin based adhesive, with additives, tackifier and fine grade mineral filler. This product is a water based adhesive and compatible with most substrates.

ADVANTAGES
- Environmentally safe
- Easy Application
- Quick setting
- Suitable to most of the surfaces
- Good coverage
- Heat resistance
- Water resistance
- Non-flammable

APPLICATION
- Ideal for use in bonding of PVC sheet, vinyl covering and tiles, EPDM sheet, PU foam and similar material with concrete, metals, and wooden substrates
- It can be used for most porous & non-porous surfaces
- It is suitable for under floor heating installations (however the heating should be switched off at least 48 hours before and after the installation of floor coverings)
- It can be applied easily by fine trowel, brush and roller evenly on both surfaces









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