



New-Generation epidermix[®]

Epoxy Solutions



SAINT-GOBAIN

About Saint-Gobain

Worldwide leader in light and sustainable construction, **Saint-Gobain** designs, manufactures and distributes materials and services for the construction and industrial markets.

Its integrated solutions for the renovation of public and private buildings, light construction and the decarbonization of construction and industry are developed through a continuous innovation process and provide sustainability and performance.

About Construction Chemicals

Saint-Gobain's construction chemicals include formulations and finished products for bonding, sealing, waterproofing, protecting, reinforcing, and finishing various building materials, both in new construction and renovation, for buildings and infrastructure. These solutions are designed to be more innovative and sustainable, enhancing construction performance, supporting building decarbonization, and simplifying processes for our customers.

The main international brands represented are Weber, Maris including **a.b.e.**® and Technical Finishes. With such innovative solutions that combine sustainability and performance, **Saint-Gobain** is accelerating its growth in the construction chemicals market.



NEW-GEN epidermix® Epoxy Solutions

CONCRETE WORKS

Structural Grouting & Anchoring
Structural Bonding

CONCRETE REPAIR & PROTECTION

Concrete Repair Bonding
Concrete Repair Mortars
Structural Crack Repair
Protective Coatings

SEALANTS & ADHESIVES

Primers & Adhesives

FLOORING

Primers & Adhesives

About a.b.e.®

a.b.e.®, a division of the **Saint-Gobain Group** specializes in products and systems for construction, waterproofing, flooring, and concrete repair.

a.b.e.® provide solutions that address various construction needs, including infrastructure projects, residential buildings, and industrial applications.



SAINT-GOBAIN

Introduction

Solutions

Epoxy adhesives and **grouts** are crucial in the construction industry by providing superior strength, durability, and resistance to harsh conditions compared to traditional materials.

They are essential for structural bonding, heavy machinery installation, and long-lasting repairs across various applications:

- **Anchoring and Grouting:** These solutions are used to secure bolts, rebar, and other anchoring systems into concrete, providing a very strong and stable connection essential for heavy-duty applications and structural stability for heavy machinery
- **Structural Bonding:** These solutions create high-strength, long-lasting bonds between diverse materials like metal, concrete, wood, and composites, often replacing traditional anchoring or bonding concrete
- **Concrete Bonding & Repair:** These solutions include wet-to-dry epoxy adhesives used as the structural bonding agents, while other systems can be used for structural patching and repairing
- **Structural Crack Repairs:** Epoxy adhesives are injected into cracks and voids in concrete to restore and reinforce structural integrity, extending the lifespan of existing infrastructure like bridges, tunnels, and buildings
- **Priming and Protection:** They act as primers or coatings for general purpose or underwater applications, which can be filled for patching.

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Fabrication of Composites:

Epoxy resins are combined with reinforcement materials like carbon fiber to create strong, lightweight components for structures, which improves performance and energy efficiency.

Chemical and Industrial Environments:

Their resistance to a wide range of acids, alkalis, and solvents makes them invaluable in chemical plants, food processing units, and laboratories where exposure to aggressive substances is a concern.

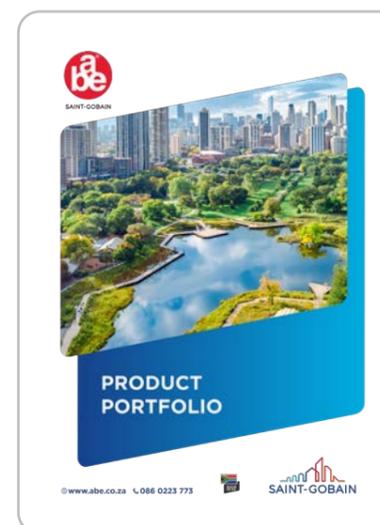
Infrastructure Projects:

Epoxy adhesives and grouts are used in roads, rail systems, and bridges to provide durable, low-maintenance bonding and repairs that resist water penetration.

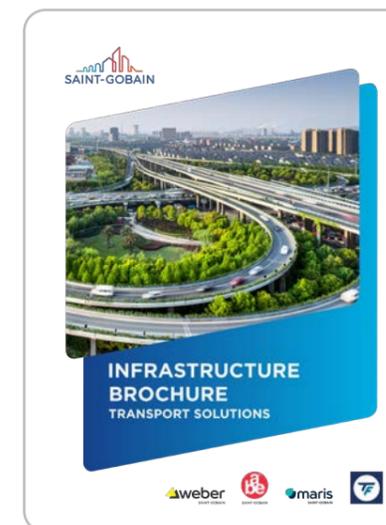
Comply with EN Standards:

Selected epidermix epoxy products have been tested and verified in accordance with **EN 1504 3**, **EN 1504 5** and **EN 1504 6**. Refer to the relevant product datasheets.

Product Portfolio



Transport Infrastructure Solutions Brochure



To view the **a.b.e**® website, for more information and download the Product Offering brochures and technical data sheets scan this QR code with your smartphone.



PRODUCT SELECTOR: Concrete Works



LANDING PAGE
EPOXY SOLUTIONS



Structural Grouting & Anchoring

These solutions are used to secure bolts, rebar, and other anchoring systems into concrete, providing a very strong and stable connection essential for heavy-duty applications and structural stability for heavy machinery

epidermix® 316

Epoxy tar adhesive and grout.



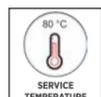
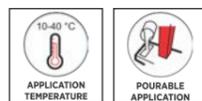
Product Code:
2 L - 30835

BENEFITS:

- Cold applied, amine cured.
- Resistant to certain solvents and chemicals.
- Pourable and self-levelling.
- Fast setting.
- Ideal for road traffic surfaces, airport runways, taxi ways, to seal slots of electric cables or gates.

Curing time @ 25 °C

| | |
|-----------|--------|
| Touch Dry | 1 Hour |
| Full Cure | 7 Days |



BLACK (MIXED)

epidermix® 324

Three component flowable epoxy grout.



Product Code:
5 L Kit - 30759

BENEFITS:

- Fluid and flowable.
- High strength structural grout.
- Ideal for narrow access.
- Under bridge and other structural bearings, or base plates.
- Grouting holding down bolts.
- Damp tolerant.
- Suitable as a tunnel grout.

Curing time @ 25 °C

| | |
|----------------|----------|
| Touch Dry | 8 Hours |
| Practical Cure | 24 Hours |
| Full Cure | 7 Days |



BROWN (MIXED)

epidermix® 325

Three component rammable epoxy mortar.



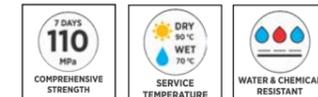
Product Code:
7 L Kit - 30760

BENEFITS:

- Rammable, thixotropic.
- Withstands impact and lateral vibration.
- Structural grout.
- Repair, bedding and grouting medium.
- High compressive strength repair.

Curing time @ 25 °C

| | |
|----------------|----------|
| Touch Dry | 8 Hours |
| Practical Cure | 24 Hours |
| Full Cure | 7 Days |



BROWN (MIXED)

epidermix® 395

Liquid epoxy grout & crack repair vertically.



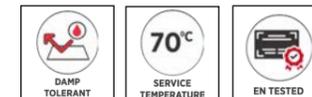
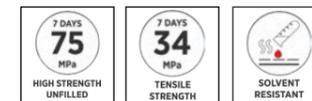
Product Code:
500 ml - 30776 | 1 L - 30777
2 L - 30778

BENEFITS:

- Easy pour, gap filling, structural bond.
- Grouting starter bars & bolts vertically down into concrete.
- Flowable grout or bedding mortar.
- Fast setting crack repairs.
- Can be filled into a mortar.
- Damp tolerant.

Curing time @ 25 °C

| | |
|----------------|----------|
| Touch Dry | 6 Hours |
| Practical Cure | 12 Hours |
| Full Cure | 7 Days |



CLEAR AMBER (MIXED)

epidermix® 396

Epoxy paste grouting horizontally or overhead.



Product Code:
500 ml - 30779

BENEFITS:

- Grouting dowel bars, bolts and other steel overhead or horizontally into concrete.
- Fast-setting, non-flow structural grout.
- Thixotropic, high strength.
- Damp tolerant.

Curing time @ 25 °C

| | |
|----------------|----------|
| Touch Dry | 2 Hours |
| Practical Cure | 12 Hours |
| Full Cure | 7 Days |



LIGHT CREAM (MIXED)

epidermix® 725

Polyester resin for grouting and anchoring.



Product Code:
2.5 L - 30736
5 L - 30735

BENEFITS:

- High strength, chemical resistant.
- Rapid curing and strength gain for early loading (45 min).
- May be used where vibration on bolts is a problem.
- Corrosion resistant.
- Can be applied underwater.
- Easy to apply with pourable or paste consistency.
- For hole diameter <25 mm greater than bar diameter.

Gel time

| | |
|----------------------------------|------------------|
| 90 min. @ 10 °C | |
| 35 min. @ 25 °C | |
| 13 min. @ 35 °C | |
| Compressive strength (ASTM C109) | 30 MPa at 1 hr |
| | 65 MPa at 2 hrs |
| | 90 MPa at 24 hrs |

GREY (MIXED)

PRODUCT SELECTOR: Concrete Works

Structural Bonding

These solutions create high-strength, long-lasting bonds between diverse materials like metal, concrete, wood, and composites, often replacing traditional anchoring or bonding concrete.

epidermix® 319

Low slump, high strength epoxy adhesive and bedding mortar.

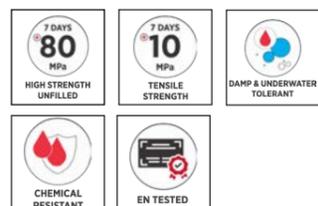


Product Code:
3 kg - 30757

BENEFITS:

- For fast repairs to honeycombed concrete.
- Reinstatement of damaged joint rises and stair treads.
- Repairs to damaged precast and concrete elements.
- Applied at 12 - 15 mm thick sections.
- Damp and underwater tolerant.
- Structural applications, not overhead.

| Curing time @ 25 °C | |
|---------------------|----------|
| Practical cure | 24 Hours |
| Full Cure | 7 Days |



GREY (MIXED)

epidermix® 350

Structural dry-to-dry epoxy adhesive.

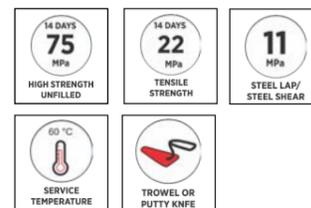


Product Code:
2 L - 30842
1 L - 30841

BENEFITS:

- Structural adhesive for most building materials (concrete & steel).
- Use as a gap filler.
- Non-slump, polysulphide modified.
- High ultimate strengths.
- Non-shrink paste.
- Maximum 5 mm WFT.

| Curing time @ 25 °C | |
|---------------------|---------|
| Practical cure | 5 Days |
| Full Cure | 14 Days |



BLUE-GREY (MIXED)

epidermix® 319



epidermix® 350



PRODUCT SELECTOR: Concrete Repair & Protection

Concrete Repair Bonding

These solutions include wet-to-dry epoxy adhesives used as the structural bonding agents, while other systems can be used for structural patching and repairing.

epidermix® 344

Structural wet-to-dry concrete epoxy adhesive.

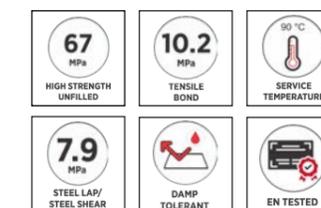


Product Code:
500 ml - 30761 | 1 L - 30762
2 L - 30763 | 5 L - 30764

BENEFITS:

- Bonding fresh concrete and plaster to existing brickwork/ concrete.
- Provide damp-proof barrier within the concrete matrix.
- Spalling repair and concrete repair bonding agent.
- Polysulphide modified semi-fluid paste.

| Curing time @ 25 °C | |
|---------------------|---------------|
| Mortar placement | Up to 4 Hours |
| Full Cure | 7 Days |



GREY (MIXED)

epidermix® 345

Structural wet-to-dry concrete epoxy adhesive with extended open time capability.

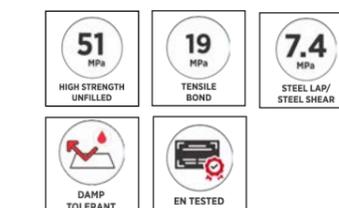


Product Code:
2 kg - 30765
5 kg - 30766

BENEFITS:

- Bonding fresh concrete and plaster to existing brickwork/ concrete, slow-setting.
- Excellent bond to damp or dry surfaces.
- High ultimate strengths.

| Curing time @ 25 °C | |
|---------------------|----------------|
| Mortar placement | Up to 18 Hours |
| Full Cure | 7 Days |



GREY (MIXED)

epidermix® 344



epidermix® 345



PRODUCT SELECTOR: Concrete Repair & Protection

Concrete Repair Mortars

These solutions include wet-to-dry epoxy adhesives used as the structural bonding agents, while other systems can be used for structural patching and repairing.



Structural Crack Repair

Epoxy adhesives are injected into cracks and voids in concrete to restore and reinforce structural integrity, extending the lifespan of existing infrastructure like bridges, tunnels, and buildings.

epidermix® 314

Structural repair epoxy mortar.

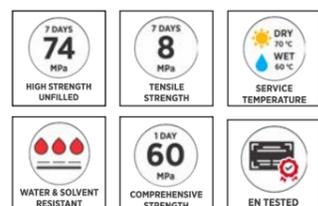


Product Code:
4 L - 30752
2 L - 30751

BENEFITS:

- Repairing and patching defects in concrete such as honeycomb and spalls.
- Maximum 25 mm / layer.
- Non-slump in vertical and overhead.
- Non-toxic in water.
- High strength, polyamide cured paste.

| Curing time @ 25 °C | |
|---------------------|--------------|
| Touch Dry | 6 Hours |
| Practical Cure | 12 Hours |
| Overcoating | 8 - 12 Hours |
| Full Cure | 24 Hours |



GREY (MIXED)

epidermix® 318

General purpose, epoxy adhesive & repair compound.

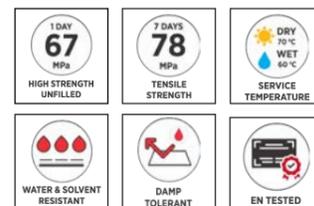


Product Code:
500 ml - 30753 | 4 L - 30755
1 L - 30754

BENEFITS:

- Polyamide cured, non-slump.
- Horizontal and vertical faces (soffit repairs, holes, steps)
- Repairing and patching defects in concrete and fibre cement.
- As a bedding mortar, gap filling, spalling and crack filling
- Maximum 15 mm/layer.

| Curing time @ 25 °C | |
|---------------------|--------------|
| Touch Dry | 2 Hours |
| Practical Cure | 12 Hours |
| Overcoating | 4 - 23 Hours |
| Full Cure | 7 Days |



GREY (MIXED)

epidermix® 319

Low slump, high strength epoxy adhesive and bedding mortar.

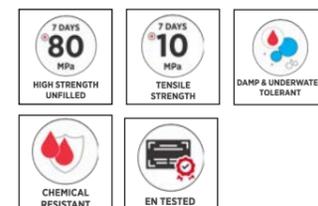


Product Code:
3 kg - 30757

BENEFITS:

- For fast repairs to honeycombed concrete.
- Reinstatement of damaged joint arises and stair treads.
- Repairs to damaged precast and concrete elements.
- Applied at 12 - 15 mm thick sections.
- Damp and underwater tolerant.
- Structural applications, not overhead.

| Curing time @ 25 °C | |
|---------------------|----------|
| Practical cure | 24 Hours |
| Full Cure | 7 Days |



GREY(MIXED)

epidermix® 395

Liquid epoxy grout & crack repair vertically.



Product Code:
500 ml - 30776 | 1 L - 30777
2 L - 30778

BENEFITS:

- Easy pour, gap filling, structural bond.
- Grouting starter bars & bolts vertically down into concrete.
- Flowable grout or bedding mortar.
- Fast setting crack repairs.
- Can be filled into a mortar.
- Damp tolerant.

| Curing time @ 25 °C | |
|---------------------|----------|
| Touch Dry | 6 Hours |
| Practical Cure | 12 Hours |
| Full Cure | 7 Days |



CLEAR AMBER (MIXED)

epidermix® 365

Liquid (non-structural) epoxy adhesive and coating.

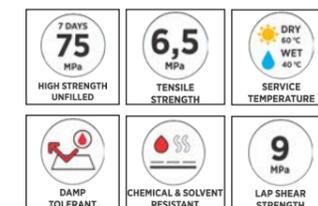


Product Code:
5 L - 30773

BENEFITS:

- Polyamide cured, general purpose liquid epoxy.
- Can be injected into cracks (<0.10 mm).
- Binder for epoxy mortars, can be filled.
- Coating, primer, fibre glassing.
- Gloss

| Curing time @ 25 °C | |
|---------------------|--------------|
| Touch Dry | 12 Hours |
| Practical Cure | 24 Hours |
| Overcoating | 6 - 48 Hours |
| Full Cure | 7 Days |



CLEAR AMBER (MIXED)

epidermix® 389

Low viscosity crack injection compound.

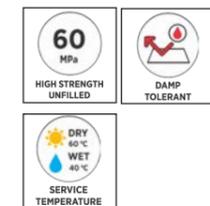


Product Code:
500 ml - 30774
5L - 30775

BENEFITS:

- Stabilises cracks in concrete, between 0.10 and 0.05 mm in width.
- Insulates and tamper proofs electrical fittings.
- Suitable for gravity feed.
- Primer for epoxy mortar
- Damp tolerant.

| Curing time @ 25 °C | |
|---------------------|----------|
| Practical Cure | 24 Hours |
| Full Cure | 7 Days |



BROWN (MIXED)

PRODUCT SELECTOR: Concrete Repair & Protection

Protective Coatings

They act as primers or coatings for general purpose or underwater applications, which can be filled for patching.

epidermix® 311

Underwater grade epoxy compound.

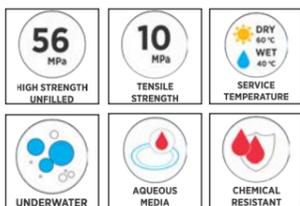


Product Code:
500 ml - 30749

BENEFITS:

- Use as a coating, roller or brush applied.
- Use for grouting and patching.
- Can be filled.
- Easy to work, gloss finish
- Lining inside of damp concrete pipes & up-stream concrete dams.
- Underwater repair of ships hulls.
- Chemical resistant.

| Curing time @ 25 °C | |
|---------------------|--------------|
| Touch Dry | 12 Hours |
| Practical Cure | 24 Hours |
| Overcoating | 6 - 48 Hours |
| Full Cure | 7 Days |



CLEAR LIGHT
YELLOW (MIXED)

epidermix® 365

Liquid (non-structural) epoxy adhesive and coating.

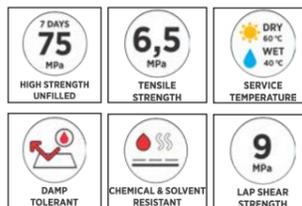


Product Code:
5 L - 30773

BENEFITS:

- Polyamide cured, general purpose liquid epoxy.
- Can be injected into cracks (<0.10 mm).
- Binder for epoxy mortars, can be filled.
- Coating, primer, fibre glassing.
- Gloss.

| Curing time @ 25 °C | |
|---------------------|--------------|
| Touch Dry | 12 Hours |
| Practical Cure | 24 Hours |
| Overcoating | 6 - 48 Hours |
| Full Cure | 7 Days |



CLEAR AMBER (MIXED)

epidermix® 311



PRODUCT SELECTOR: Sealants & Adhesives

Primers & Adhesives

Epoxy adhesives are used to bond, seal, fill, and grout concrete repair systems for patching, joint sealing, and general structural repair applications.

epidermix® 326

Epoxy primer for polysulphide & polyurethane joint sealant.



Product Code:
250ml - 30837
500ml - 30836

BENEFITS:

- Universal primer for polysulphide and polyurethane elastomeric joint sealants
- Convenient packaging and good pot life for minimal wastage
- Low viscosity epoxy for optimum adhesion on cementitious and/or porous surfaces

| Curing time @ 25 °C | |
|---------------------|------------|
| Touch Dry | 30 minutes |
| Practical Cure | 4 Hours |
| Full Cure | 6 Hours |

LIGHT AMBER (MIXED)

epidermix® 338

High-build thixotropic epoxy adhesive/grout and patching compound.



Product Code:
20 L - 30839

BENEFITS:

- As an adhesive / grout to join metal or cementitious water main pipe sections
- Self-priming, suitable for vertical and overhead repairs
- Suitable for potable water applications once cured

| Curing time @ 25 °C | |
|---------------------|----------|
| Touch Dry | 6 Hours |
| Practical Cure | 12 Hours |
| Full Cure | 7 Days |



GREY (MIXED)

epidermix® 326



epidermix® 338



PRODUCT SELECTOR: Sealants & Adhesives

Primers & Adhesives

Epoxy adhesives are used to bond, seal, fill, and grout concrete repair systems for patching, joint sealing, and general structural repair applications.

epidermix® 372

Epoxy adhesive, filler and grout.



Product Code:

90 ml - 30845 | 500 ml - 30846
1 L - 30843 | 5 L - 30844

BENEFITS:

- Solvent-free and easy to mix
- General-purpose bonding for most materials
- As a grouting medium for fixing dowels and bolts, horizontally into concrete and rock.

| Curing time @ 25 °C | |
|---------------------|----------|
| Touch Dry | 6 Hours |
| Practical Cure | 12 Hours |
| Full Cure | 7 Days |



CREAM YELLOW (MIXED)

epidermix® 372 Fast Set

Epoxy adhesive, filler and grout, fast set.



Product Code:

90 ml - 36900 | 500 ml - 36910

BENEFITS:

- Fast-set formula for quicker turnaround
- General-purpose bonding for most materials
- Solvent-free and easy to mix
- Ideal for bonding materials like concrete, steel, timber and ceramic.

| Curing time @ 25 °C | |
|---------------------|-------------|
| Touch Dry | 2 - 4 Hours |
| Practical Cure | 6 Hours |
| Full Cure | 7 Days |



CREAM YELLOW (MIXED)



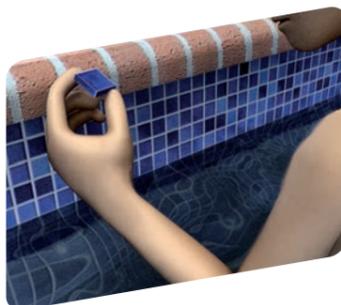
Adhere basins



For boat building



Grouting anchor point



Adhere mosaics

Primers

Epoxy flooring adhesives are used as primers and bonding layers for concrete and cementitious screeds, improving adhesion, durability, and surface performance.

PRODUCT SELECTOR: Flooring

epidermix® 116

Wet/dry concrete and cementitious screed adhesive/epoxy screed primer



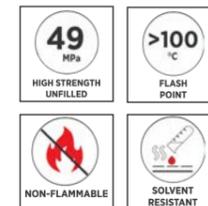
Product Code:

2 L - 30893
5 L - 30892

BENEFITS:

- Solvent-free epoxy, Wet-to-dry bonding
- Bonding new (plastic) concrete or screeds to existing hardened concrete
- Priming of prepared concrete prior to the application of screed

| Curing time @ 25 °C | |
|---------------------|----------|
| Touch Dry | 12 Hours |
| Practical Cure | 24 Hours |
| Full Cure | 7 Hours |



LIGHT AMBER (MIXED)





SAINT-GOBAIN



Technical Information & Contact Form
www.abe.co.za



Technical Support
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NEW-GEN
epidermix®
Epoxy Solutions

