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# ARDEX-QUICSEAL PREFAB SYSTEM; A NEW WAY OF BUILDING

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This catalogue is designed for quick reference.  
Please refer to product datasheets and packaging for detailed instructions.

# A NEW WAY OF BUILDING

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ARDEX-QUICSEAL  
PREFAB SYSTEM  
OFFERS A  
SUSTAINABLE  
ALTERNATIVE FOR  
CONSTRUCTION  
PROJECTS,  
ENSURING QUALITY,  
EFFICIENCY  
AND SAFETY  
WITH OFFSITE  
MANUFACTURING

## YOUR PREFAB PARTNER

ARDEX-QUICSEAL views the PreFab industry as a uniquely individual sector that requires specialised products to achieve the best possible efficiency. At the ARDEX Group we pride ourselves in our innovation focus. This also applies to PreFab, where we aim to develop solutions suitable to your specific needs and tailored to your manufacturing process. In addition, the ARDEX-QUICSEAL approach includes field support, technical training, education and testing. Through our dedicated technical service teams, you will have access to a wide array of expertise to support your operations.

Therefore, we are able to supply a full solution for both intelligent and trusted system solutions and services in support of making your processes as efficient as possible. As an innovation leader in our industry, we welcome the opportunity to also develop customized solutions for your particular needs – completing our service offering to be your partner for the PreFab industry.

# INNOVATION / SYSTEM ARDEX

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ARDEX has over 70 years of experience as a leading global system-solution and service provider of innovative building systems. Recognised by installation experts, the ARDEX Group delivers industry-leading innovation and time tested consistent solutions to the most complex installations and build. Built on a foundation of product performance and a global focus on training, the ARDEX Group leads through local customer interaction striving for excellence in customer experience.

## INNOVATION

Our innovation focus also applies to PreFab, where innovation has been a key influencer to our continued success, with technologies introduced many years ago still unique in their respective industries today. Offering customary high quality – featuring exclusive ARDEX innovations such as MICROTEC and ARDURAPID technology – and all-round support, all ARDEX system products are easy to use and perfectly compatible for premium performance and peace of mind.

### WHAT IS MICROTEC TECHNOLOGY?

A unique binding matrix made up of exclusive ARDEX materials, special cements and polymers combined with high performance fibres which improves adhesive strength, reduces the effect of shear strain and stress on the tiling system.



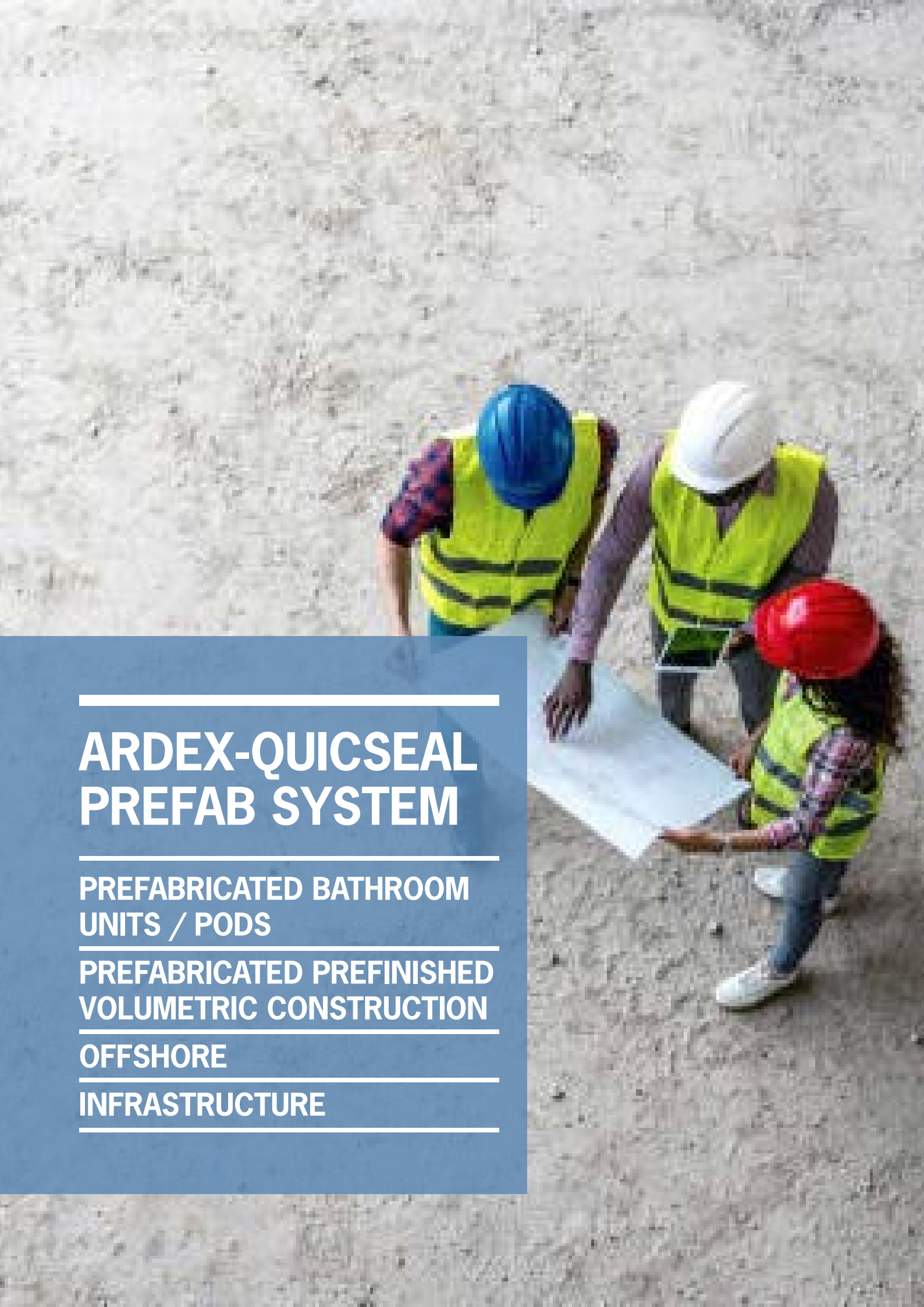
### WHAT IS ARDURAPID?

'RAPIDRY FORMULA' Technology or ARDURAPID technology binds the water used for mixing within the cement. Therefore, the mix water is utilized chemically to build a reinforced structure. This technology ensures rapid drying and strength development, regardless of thickness, guaranteeing a shrinkage free high strength system and virtually eliminating the risk of water staining.



## QUALITY ASSURANCE

In Singapore, ARDEX-QUICSEAL quality was acknowledged with ISO 9001 and ISO 14001 accreditation. All production, raw materials and packaging went through vigorous quality control procedures which, together with the quality management system, have been certified and are independently audited to the Quality Standard ISO 9001: 2015 and ISO 14001:2015.

An aerial view of three construction workers on a site. They are wearing high-visibility yellow safety vests and hard hats (blue, white, and red). They are gathered around a large set of blueprints laid out on the ground, looking at them intently. The background is a vast, flat, light-colored surface, likely a construction site or a large open area.

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# ARDEX-QUICSEAL PREFAB SYSTEM

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PREFABRICATED BATHROOM  
UNITS / PODS

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PREFABRICATED PREFINISHED  
VOLUMETRIC CONSTRUCTION

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OFFSHORE

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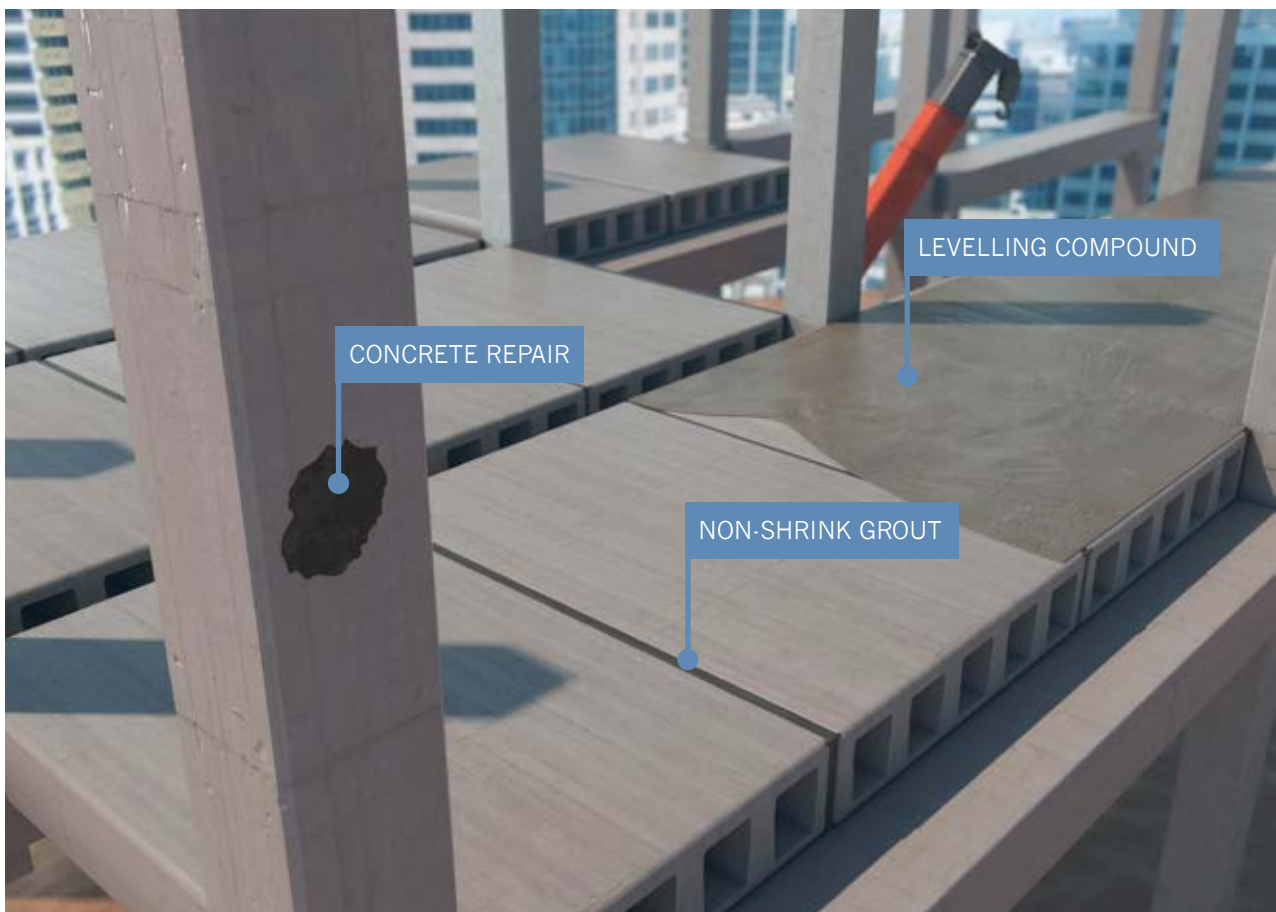
INFRASTRUCTURE

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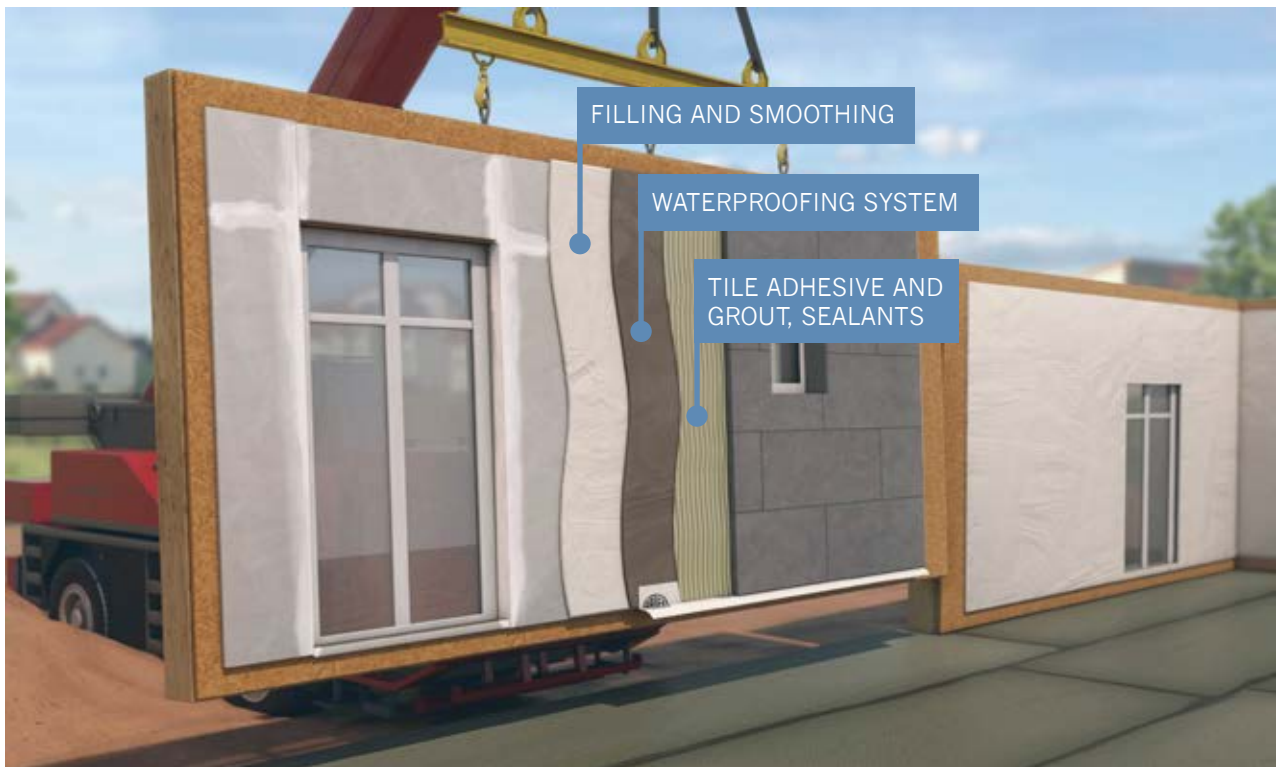
# PRECAST ELEMENTS

Precast elements have become an important part of the building structure. ARDEX-QUICSEAL PreFab system solutions for the precast market offer means and methods to flatten and level precast surfaces with high quality coupled with time and labor savings.

Understanding the importance of the structural integrity of large precast elements, we provide the technology to repair concrete structures and edges. Completing our system offering for precast solutions, our product range also includes curing compounds, non-shrink grouts and bonding agents.



# PRECAST ELEMENTS



Prefabrication “elements” can cover a variety of segments. For the three most common we have outlined our range of solutions:

## **SURFACE CONSTRUCTION BOARDS**

When incorporating construction boards into wet areas such as bathrooms, it is critical that these boards can be worked with easily on the construction site during the finishing process. For this application, ARDEX-QUICSEAL can supply various types of coatings for different types of boards, including a range of mortars that can be applied on-site to receive tiles or other floor and wall coverings.

## **PREFABRICATED FLOOR ELEMENTS**

We have developed cutting-edge technology in the area of floor patches, screeds, levelers and adhesives.

Both patching and self-leveling compounds provide a smooth and level basis for the floor covering.

Whether the adhesive is rolled, poured or trowel-applied, we can supply or develop the appropriate product and integrated system.

## **PREFABRICATED WALL ELEMENTS**

With varying degrees of finishing works done offsite – from wall plasters and renders to tiles – ARDEX-QUICSEAL can be the partner of choice for the wall finishing process. These products can be efficiently applied by roller, trowel or spray, which can save you time and labour.

# PREFABRICATED BATHROOM UNITS / PODS (PBU)

Oftentimes, the tiling process creates bottlenecks in the production of prefabricated bathroom units. ARDEX-QUICSEAL tile system solutions offer improvements in the speed and quality of your installation. To satisfy both the installer and the end user, our solutions can help to overcome the key issues when installing tiles such as long drying time and damages from transportation vibration.

The various brands of the ARDEX Group enable us to draw from a global pool of resources and respond to the needs of individual customer segments and geographical markets. With the ARDEX-QUICSEAL complete system approach, we can offer the full flooring installation system, making your manufacturing quicker, easier to apply and reliable. This system ranges from waterproofing to tile adhesives, grouts and sealants – offering a single source opportunity for flooring installation systems, all included in the ARDEX-QUICSEAL system guarantee. Edge profiles, electric underfloor heating or innovative shower drainage systems for floor-level showers can also be flexibly combined with a wide range of system components.





The system is suitable for timber-/wood-, steel- and GRP-framed modules as well as concrete. With the support and expertise of ARDEX-QUICSEAL technical field personnel, we can support your tile system installations either during the production process or later on site. With an international network of ARDEX companies around the globe, we can also assist with the on-site installation of the modules regardless of where they are installed.

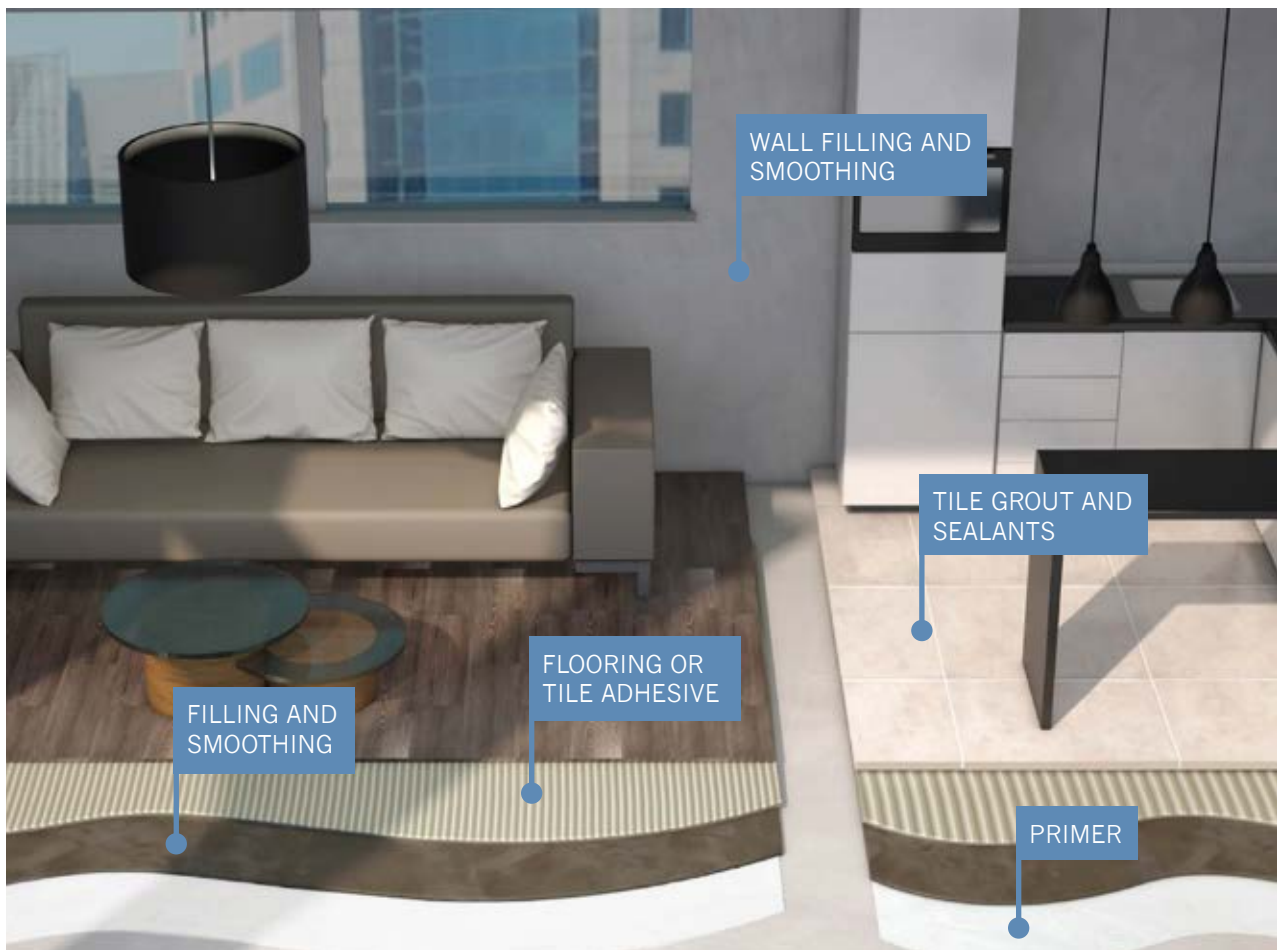


# PREFABRICATED PREFINISHED VOLUMETRIC CONSTRUCTION (PPVC)

PPVC construction can be very complex depending on the design variation and the customer's preference.

Over the years, the ARDEX Group has developed expertise for practically all flooring and wall installation systems ranging from subfloor preparation material to adhesives. These full system solutions ensures both premium quality and products with a long-standing track record of global performance.

Similar to PBUs, through its network of international subsidiaries and our global footprint, ARDEX-QUICSEAL can offer to support both the onsite installation and the production processes. Depending on your particular production process, we can collaborate with you to develop a finished product to fulfill the requirements of your customer for years to come.



# OFFSHORE

ARDEX has provided the marine and offshore market with rapid and safe solutions within cement based internal deck coverings for more than 30 years.

The various solutions flooring system solutions are all developed in close co-operation with the users, and are all thoroughly tested on tens of thousands of square metres applied throughout the Nordic and Asia countries. The systems shown will meet most requirements for rapid steel deck coverings, whether it concerns repairs or new constructions.

All products have been subjected to all necessary fire tests, and each product carries the appropriate certification from Det Norske Veritas (DNV).



The ARDEX Marine and Offshore System has been expanded and currently consists of various solutions, where self-smoothing sub-floor levelling compounds of ARDEX K15 added with ARDEX E 25 or ARDEX K 200 are installed in a permanent bond to the steel deck, and one solution where a floating Fire Class A 60 construction is produced by using ARDEX A 35 MIX - thus ensuring that the floor screed may be applied at a thickness between 1 mm to 50 mm in one operation. This gives the user a wide variety of flooring systems to choose from when searching for the optimum solution to any given flooring requirement.

For all solutions, there can be installed with vinyl coverings by using the ARDEX offshore approved covering adhesive.

We always welcome recommendations for new constructions or improvements of existing solutions, thus ensuring that our solutions will always meet the immediate demands of the market.

# INFRASTRUCTURE

ARDEX-QUICSEAL has developed a comprehensive range of technically advanced civil engineering grouts for your specific needs. We work closely with structural engineers, contractors, and developers to create value for your projects. At ARDEX-QUICSEAL, we continue to move forward with the constant pursuit of innovation and quality for the civil engineering Industry. Our in-house technical support and know-how will ensure that our products are correctly installed to save you time and money.

We provide a wide and comprehensive range of value-added solutions, which includes the following areas:

- Partial-depth horizontal repair
- Post tensioning
- Moisture control
- Cracks repair
- Corrosion protection

Thanks to innovative fast-track products, long drying and waiting times are a thing of the past. Work can be completed in next to no time and surfaces can be opened for use quickly.





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# ARDEX-QUICSEAL PREFAB SYSTEM

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## PRODUCT INFORMATION

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# PREFABRICATED BATHROOM UNITS / PODS (PBU) & PREFABRICATED PREFINISHED VOLUMETRIC CONSTRUCTION (PPVC)

Curing Compound, Form Oil, Bonding Agent & Primer



## ARDEX Abacrete

### Bonding Agent

USAGE: Enhance shear and tensile bond strength of sand cement screeds and adhesion between old and new concrete



## ARDEX P 16

### Multipurpose primer

USAGE: Seal the prefabricated component surface and improve adhesion between existing and new finishing



## ARDEX P 51

### Primer

USAGE: Ideal for sealing and priming dense and porous surfaces to receive cement-based mortars



## QUICSEAL 507

### Curing Compound

USAGE: Moisture retaining coating for concrete & cementitious toppings



## QUICSEAL 607

### Bonding Agent

USAGE: Improve adhesion between old and new concrete

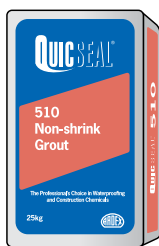


## QUICSEAL 713

### Solvent-based Form Release Agent

USAGE: Release agent for metal & wooden formwork

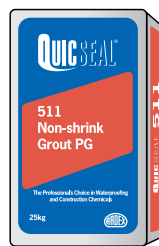
Non-Shrink Grout



## QUICSEAL 510

### Non-Shrink Grout

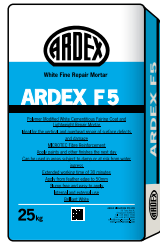
USAGE: Honeycomb repair, precast joints and gaps



## QUICSEAL 511

### Non-Shrink Grout PG

USAGE: PPVC, precast joints and gaps



## ARDEX F 5

**Fiber-reinforced finishing compound (Fast Drying)**

USAGE: Filling, smoothing and repairing facade surfaces as well as interior wall and ceiling surfaces



## QUICSEAL 192

**Concrete Waterproof Admixture (Crystallisation)**

USAGE: Reduce concrete permeability



## QUICSEAL 104

**Flexible Cementitious Waterproofing Membrane**

USAGE: Waterproofing of wet areas, swimming pools, kitchens



## QUICSEAL 124

**Waterproofing Membrane (Ready to Use)**

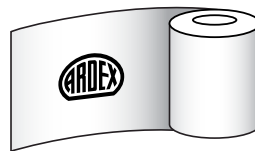
USAGE: Waterproofing of wet areas, kitchens



## QUICSEAL 203

**Bitumen Compressible Strip**

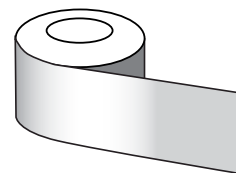
USAGE: Sealing gaps or joints



## ARDEX STB Tape

**Self Adhesive Butynol Sealing Tape (1mm)**

USAGE: Provides a waterproofing seal between the surface joints and between the floor and wall, seals the drainage pipe outlets in wet areas



## QUICSEAL Fabric

**Polyester non-woven Geo-textile (60gr/m<sup>2</sup>)**

USAGE: Used as a reinforcing fabric for wall-floor connection around pipes outlets in wet areas



### ARDEX X 29

**Improved cement-based, polymer-modified tile adhesive**

USAGE: For bonding floor and wall tiles



### ARDEX X 18 + E 90

**Fibre Reinforced Flexible Non Slump Wall and Floor Tile Adhesive**

USAGE: High performance with highly-deformable adhesive for ceramic tiles and stone, ideal for thin porcelain tiles.



### ARDEX X 685

**One component fast-setting, flexible tile adhesive with extended open time**

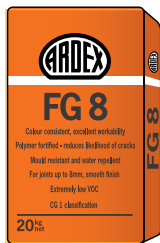
USAGE: High performance deformable adhesive for bonding floor and wall tiles including natural and artificial stones



### QUICSEAL 602 + QUICSEAL 604

**Two Part Tile Adhesives**

USAGE: For bonding natural stones and tiles



### ARDEX FG 8

**Flexible Cementitious Colour Grout**

USAGE: Used for tile joints 1mm to 8mm wide on walls and floors.



### ARDEX F 4

**Fine and Smooth Wall & Floor Coloured Grout**

USAGE: Used for tile joints up to 4mm wide on walls and floors.



### ARDEX Grout Booster

**Water-Based Polymer Grout Improver**

USAGE: Improves adhesion, flexibility to reduce cracking and abrasion strength to avoid powdery grout.



## Silicone / Sealant



### ARDEX SN+

#### Neutral Cure Sanitary Silicone Sealant

USAGE: Flexible sealant for use in tile movement and connecting joints



### QUICSEAL 201

#### Polyurethane sealant

USAGE: For expansion and construction joint applications

## Levelling Compound



### ARDEX K 310

#### Self-smoothing & Levelling compound

USAGE: Suitable for preparing interior subfloor prior to laying parquet, vinyl sheet & tile, soft coverings, natural stone, ceramic tiles, etc.



### ARDEX K 200

#### Fibre-reinforced Self-Levelling Underlayment

USAGE: Marine grade underlayment used for preparing interior subfloor prior to laying vinyl sheet & tile, soft coverings, natural stone, ceramic tiles, etc.



## ARDEX AF 148

### All Purpose Flooring Adhesive

USAGE: Single component, dispersion-based adhesive for laying LVT, PVC and VCT flooring in sheets, tiles, planks and carpet tiles internally



## ARDEX AF 2365

### Universal Flooring Adhesive

USAGE: Single-component water-based acrylic floor covering adhesive for laying a wide range of soft floor coverings internally



## ARDEX AF 2575

### Resilient and Rubber Flooring Adhesive

USAGE: Single component, wet bond MS Polymer-based floorcovering adhesive to install floor coverings internally and externally



## QUICSEAL 705

### Guard-Protection

USAGE: Protect tiles, natural stones, tiles from staining

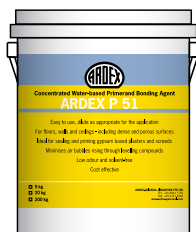
Primer & Bonding Agent



**ARDEX P 82**

**Two component solvent-free primer**

USAGE: Primer used over smooth, non-absorbent substrates, such as metal decking before the installation of ARDEX underlayments



**ARDEX P 51**

**Primer**

USAGE: Ideal for sealing and priming dense and porous surfaces to receive cement-based mortars

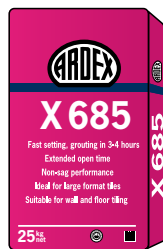
Tile Adhesive



**ARDEX X 77**

**Premium Microtec Flexible Wall and Floor Tile**

USAGE: Microtec Technology - improves adhesive strength, reduces the effect of shear strain and stress on tiling systems



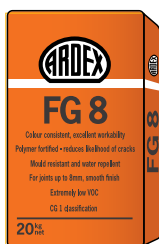
**ARDEX X 685**

**One component fast-setting, flexible tile adhesive with extended open time**

USAGE: High performance deformable adhesive for bonding floor and wall tiles including natural and artificial stones



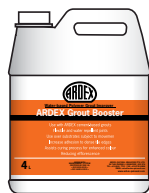
Colour Grout & Admix



**ARDEX FG 8**

**Flexible Cementitious Colour Grout**

USAGE: Used for tile joints 1mm to 8mm wide on walls and floors.



**ARDEX Grout Booster**

**Water-Based Polymer Grout Improver**

USAGE: Improves adhesion, flexibility to reduce cracking and abrasion strength to avoid powdery grout.

Silicone



**ARDEX SN+**

**Neutral Cure Sanitary Silicone Sealant**

USAGE: Flexible sealant for use in tile movement and connecting joints

Levelling Compound



**ARDEX K 200**

**Fibre-reinforced Self-Levelling Underlayment**

USAGE: Marine grade underlayment used for preparing interior subfloor prior to laying vinyl sheet & tile, soft coverings, natural stone, ceramic tiles, etc.

Soft-Floorcovering Adhesive



**ARDEX AF 172 SE**

**Acrylic Sheet Vinyl Adhesive**

USAGE: Single-component water-based acrylic floor covering adhesive for laying LVT flooring in sheets, tiles, and planks coverings in permanent applications

A-60 Screed



**ARDEX A 35**

**Rapid Setting and Ultra Rapid Drying Cement for Floor Screeds**

USAGE: A-60 floating floor screed

Curing Compound & Primer



**ARDEX P 507**

**Primer and Curing Agent**

USAGE: Prime and cure new concrete and screeds

Repair Mortar & Grout



**ARDEX CE 826**

**Rapid Curing Structural Micro Concrete**

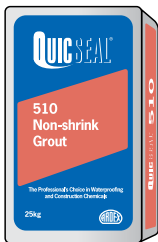
USAGE: Repair of deteriorated concrete pavement



**ARDEX BR 480**

**Fibre Reinforced Structural Repair Mortar**

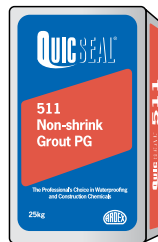
USAGE: For structural repair of concrete structures in both vertical and overhead applications



**QUICSEAL 510**

**Non-Shrink Grout**

USAGE: Honeycomb repair, precast joints and gaps



**QUICSEAL 511**

**Non-Shrink Grout PG**

USAGE: PPVC, precast joints and gaps

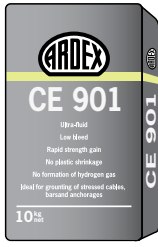


**QUICSEAL 301**

**Epoxy Mortar**

USAGE: Repair of damaged concrete

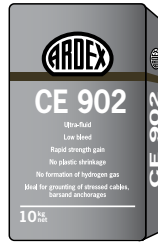
Post Tensioning Grout



**ARDEX CE 901**

**PT Grout**

USAGE: Encapsulate the steel to protect it against corrosion



**ARDEX CE 902**

**PT Grout Additive**

USAGE: Provides bonding and corrosion protection for post tensioned steel

Crack Repair



**QUICSEAL 302 LV**

**Epoxy Injection Resin**

USAGE: Repair cracks in concrete



**QUICSEAL 304**

**Epoxy Putty**

USAGE: Used for sealing cracks and smoothing concrete surface

Anti Carbonation



**ARDEX WPM 335**

**Anti Carbonation Coating**

USAGE: Protects building structures against moisture, carbon dioxide and weathering

Sealant



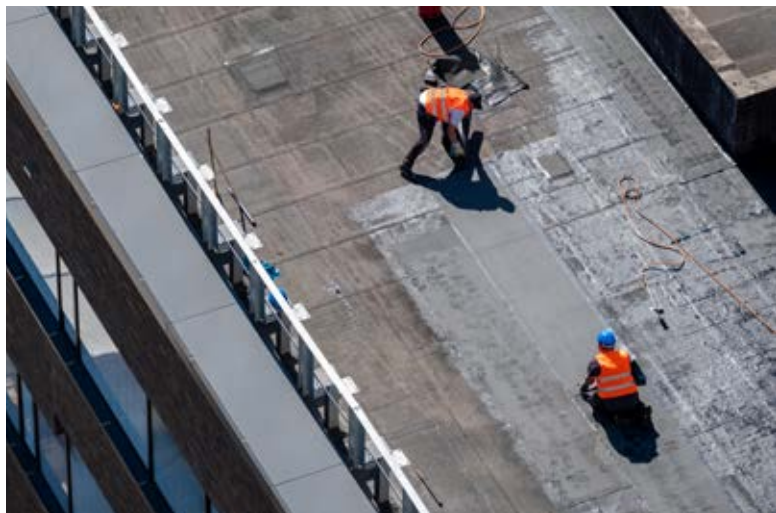
**QUICSEAL 208**

**Polysulphide Sealant**

USAGE: Used to seal joints subject to structural movement against water infiltration

# TECHNICAL INFORMATION

We are committed to being the leading provider of technical support in the field. We believe our responsibility does not end with the manufacture of innovative, technically superior products. Therefore, our teams of technical advisors work with contractors and specifiers, as well as with the R&D team to provide solutions for specific applications. Some of these common solutions are published in our Technical Bulletins which are available on request. Contact our Technical Service Department for help with anything out of ordinary, if we don't have solutions, we will certainly investigate.



## ONGOING PROFESSIONAL DEVELOPMENT

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Our industry like any others requires ongoing trainings to keep up with the changes in both the materials (membranes, substrates etc) and standard / legislation.

ARDEX-QUICSEAL workshops / trainings designed to give you hands-on experience in addition to the theory: These workshops / trainings cover:

- Application fundamentals e.g. undertile waterproofing, substrate preparation, and the relevant Singapore standards.
- Product technology to develop expertise in matching product to application, substrate and balancing risk.
- Getting a better understanding and most out of the products.
- Specification of ARDEX-QUICSEAL Prefab systems for economical installation.

Contact us for information on our workshops / trainings.

#### Singapore

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PREFAB SYSTEM**

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