
PREMIUM WATERPROOFING & TILING INSTALLATION SYSTEM



SYSTEMARDEX
PREMIUM PERFORMANCE



Durability and Beauty: The Significance of Waterproofing and Tiling in Swimming Pool Applications

Swimming pools are not just recreational spaces; they are investments that enhance the beauty and value of properties. To ensure the longevity and aesthetic appeal of swimming pools, two key elements are vital: waterproofing and tiling. Proper waterproofing safeguards the structural integrity of the pool, preventing leaks and potential damage, while quality tiling enhances both the visual allure and safety of the pool area. A complete system that starts from the preparation and waterproofing of the substrate to the use of adhesives and grouts that can withstand constant immersion in water and sanitising products is essential for proper installation. With a wide range of solutions, ARDEX-QUICSEAL can ensure that your swimming pool is perfectly installed.

Waterproofing: Preserving the Pool's Structural Integrity

Waterproofing is the first line of defence against water infiltration, which can cause structural damage and compromise the pool's longevity. Here's why waterproofing is crucial in swimming pool construction:

Preventing Leaks: Waterproofing systems create a seamless barrier, preventing water from seeping through the pool's structure and surrounding areas.

Preventing Soil Erosion: Waterproofing safeguards against soil erosion around the pool, ensuring the surrounding landscape remains intact and stable.

Preventing Chemical Damage: Pool water contains chemicals for sanitation. Waterproofing prevents these chemicals from infiltrating the pool's structure, preventing corrosion and deterioration.

Tiling: Enhancing Beauty, Safety and Comfort

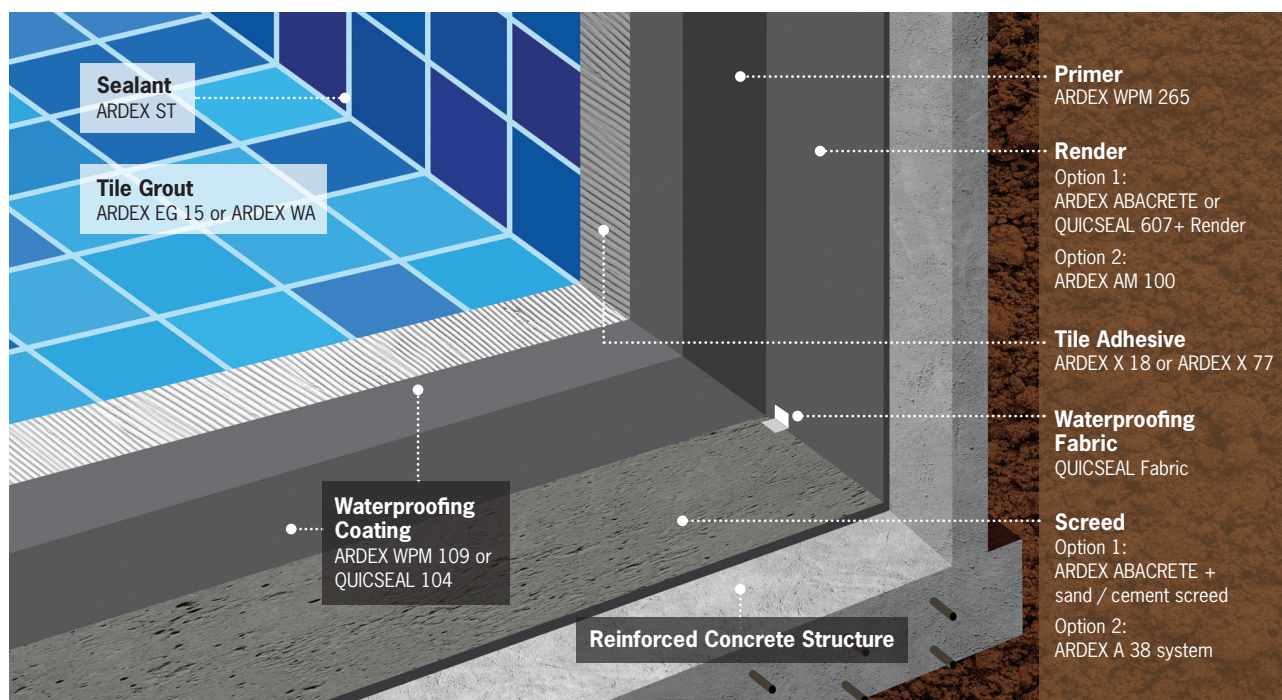
Tiling is not merely about aesthetics; it significantly contributes to the safety, hygiene, and visual appeal of swimming pools. It is essential to select the appropriate tile adhesives and grouting materials to achieve a long-lasting installation. Once the pools are filled, significant repairs can be challenging to carry out without disrupting pool operations for extended periods.

Water Resistance & Excellent Bond Strength: It is essential to use tile adhesives that are specifically formulated to withstand prolonged exposure to water without losing their bonding strength and can securely hold the tiles in place, even after continuous immersion in water and other environmental factors.

Chemical Resistance: Pools are treated with various chemicals such as chlorine and other water treatment agents. The tile adhesive should be resistant to these chemicals to ensure that it remains stable and doesn't break down over time. High-performance tile adhesives and colour grouts are often designed to resist the corrosive effects of pool chemicals.

Temperature Resistance: Swimming pool environments can experience temperature fluctuations, especially in outdoor/jacuzzi pools exposed to the elements. High-strength and deformability tile adhesives are formulated to withstand a wide range of temperatures, preventing them from deteriorating during temperature changes.

Reduced Maintenance: Specified with the right tiling solutions contribute to the overall longevity and stability of the tiled surface. Properly tiled and grouted pools resist staining and are resistant to algae and mould growth.



Longevity and Elegance: The Vital Role of Waterproofing and Tiling in Bathroom and Balcony Applications

When it comes to designing bathrooms and balconies, functionality, durability, and aesthetics are of paramount importance. Waterproofing and tiling play a central role in ensuring these spaces remain not only beautiful but also structurally sound over time.

Waterproofing: Shielding Against Water and Structural Damage

Waterproofing is the foundation of any bathroom and balcony construction. Its importance cannot be overstated for the following reasons:

Preventing Water Damage: Waterproofing membranes create an impermeable barrier that prevents water from seeping into the building structure. This is particularly crucial in spaces where water exposure is frequent, such as bathrooms and balconies.

Avoiding Mold and Mildew: Moisture accumulation can lead to the growth of mould and mildew, which not only damages surfaces but also poses health risks. Proper waterproofing prevents these issues, promoting a healthier indoor environment.

Preserving Structural Integrity: Water infiltration can weaken the structural components of a building, leading to costly repairs. Waterproofing safeguards against this, ensuring the longevity of the property.

Tiling: Elevating Aesthetics and Practicality

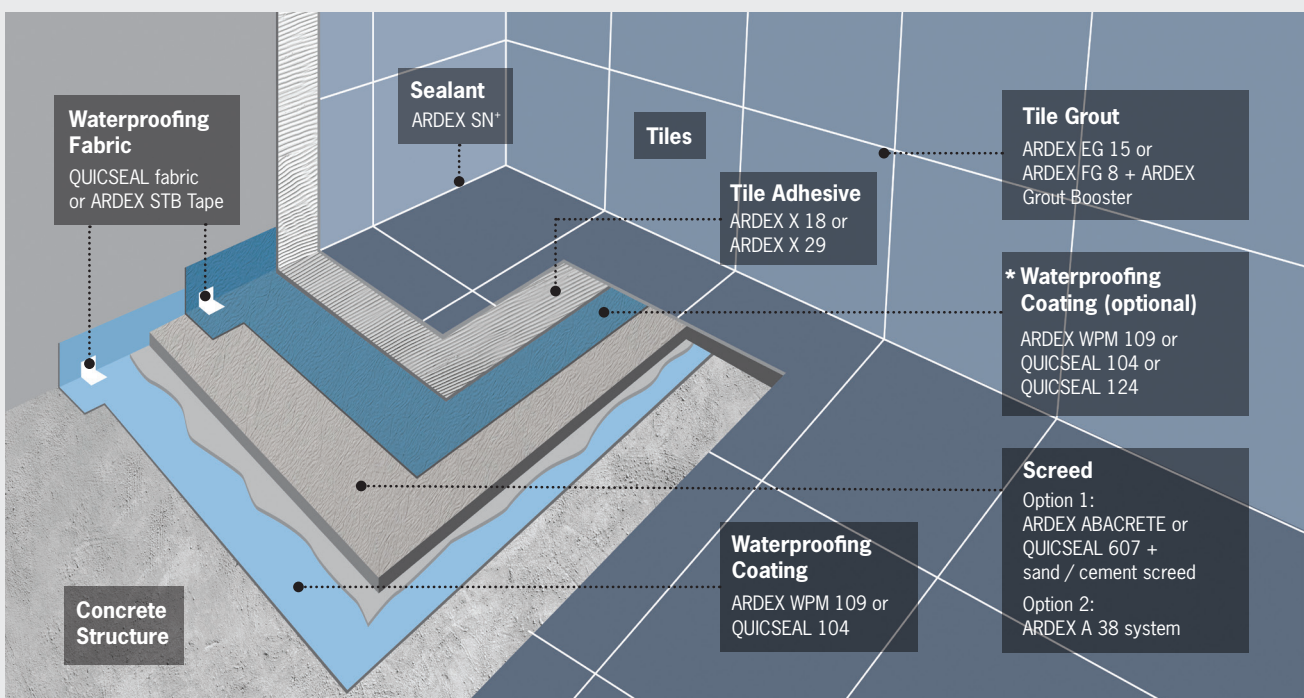
To ensure the durability of tile installations in high-traffic areas like toilets and balconies, it is essential to use high-performance tiling system solutions designed to the specific conditions and requirements of these areas:

Water Exposure: Toilets and balconies are areas that are frequently exposed to water. While toilets are exposed to water from flushing and cleaning, balconies are often exposed to rain. Both areas may also be subjected to occasional spills or leaks. High-quality tile adhesives are designed to resist water and moisture, preventing tiles from loosening or deteriorating over time.

Humidity: Bathrooms and balconies often have higher humidity levels, which can lead to mould and mildew growth. Proper grouting and sealants can help reduce this risk.

Temperature Fluctuations: Balconies are often exposed to outdoor elements, which can cause significant temperature fluctuations. To combat this issue, high-strength adhesives are formulated to withstand extreme temperatures while maintaining their bonding strength and flexibility. This ensures that the tiles on the balcony remain securely attached, even during challenging weather conditions.

Chemical Resistance: Bathrooms and balconies are often subjected to different substances like cleaning chemicals, fertilisers, and plant care products. These substances can be corrosive to the tiles installed in these areas. However, high-performance adhesives and grouts are designed to resist the corrosive effects of these chemicals. This ensures that the tile installation lasts longer.



SURFACE PREPARATION



ARDEX ABACRETE Water-Based Primer and Bonding Agent

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



QUICSEAL 607 Easi-Bond SBR

USAGE
Improve adhesion between old and new concrete



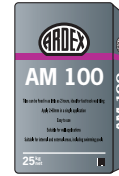
ARDEX P 51 Water-Based Primer and Bonding Agent

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



ARDEX A 38 Ultra Rapid Drying Cement Screed

USAGE
Rapid hardening floor screed for internal and external locations for receiving tiles after 4 hours



ARDEX AM 100 Rapid Hardening One Coat Tiling Render

USAGE
Ideal for fast track tiling application for smoothing concrete and masonry surfaces

TILE ADHESIVE



ARDEX X 18 Fibre Reinforced Flexible Non Slump Wall and Floor Tile Adhesive

USAGE
Fibre reinforced, non-slump tile adhesive for large format and heavy floor and wall tiles



ARDEX X 29 Wall and Floor Tile Adhesive

USAGE
Polymer modified cementitious tile adhesive for floor and wall application



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

GROUTS & SEALANTS



ARDEX FG 8 Flexible, Coloured Grout

USAGE
Used for tile joints up to 8mm wide on walls and floors



ARDEX EG 15 High Performance Epoxy Grout

USAGE
Designed for situations that require stringent hygiene standards, high chemical and physical resistance



ARDEX WA Epoxy Grout and Adhesive

USAGE
High performance, 100% solids epoxy grout and thin-bed adhesive



ARDEX Grout Booster Water-Based Polymer Grout Improver

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



ARDEX ST Neutral Cure and Non Staining Natural Stone Silicone

USAGE
Neutral curing silicone sealant with good adhesion properties



ARDEX SN+ Neutral Cure Sanitary Silicone Sealant

USAGE
Flexible sealant for use in tile movement and connecting joints

WATERPROOFING



ARDEX WPM 109 Highly Flexible Cement-based Waterproof Coating

USAGE
Highly flexible cement based waterproofing coating for structures that retain or exclude water



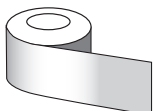
QUICSEAL 104 Flexible Cementitious Waterproofing Membrane

USAGE
Waterproofing of wet areas, swimming pools, kitchens



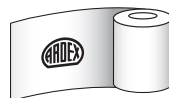
QUICSEAL 124 Quickote

USAGE
Ready-to-use quick-drying under-tile waterproofing membrane



QUICSEAL Fabric Polyester Non-woven Geo-textile (60gr/m²)

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



ARDEX STB Tape Self Adhesive Butynol Sealing Tape

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



ARDEX WPM 265 Sheltercoat Water-Based Primer

USAGE
Used as a primer for acrylic coatings

Reliable Products and Systems From ARDEX-QUICSEAL

To ensure the successful installation of swimming pools, bathrooms, or balcony projects, it is crucial to specify and choose a complete system that will be used. Our organisation offers innovative solutions for subfloor preparation, waterproofing, tiling, and grouting, all of which are designed to enhance aesthetics and longevity. Our solutions are tailored to meet the unique requirements of each project, and our team of experts is dedicated to providing professional guidance throughout the process. We take pride in delivering high-quality solutions that are both functional and visually appealing, and we are committed to working with our clients to achieve their project goals.

Bonding Agent:

An enhancer that significantly improves water resistance, shear and tensile bond strength of sand / cement screeds and renders.

Rapid Dry Screeds:

To make up a concrete base for a 15 – 40mm bonded screed, to receive tiles after 4 hours. Its fast-setting formula allows you to achieve early utilisation with minimal downtime.

Waterproofing Membranes:

Choose waterproofing membranes that are flexible and chemically stable. These membranes create a durable shield against water infiltration.

Tile Adhesives:

ARDEX MICROTEC® Technology provides real and tangible benefits for job site installation which improves workability and produces greater yield and higher bond strength.

Grouting / Adhesive:

Choose a high-performance epoxy grout / adhesive to complete the tiling work where chemical resistance and hygienic joints are required.

Professional Support:

Provide technical support and guidance to ensure the correct installation of ARDEX-QUICSEAL products, guaranteeing the optimal performance of waterproofing and tiling systems.

Tips for Overlaying Tiles



Restoring tiles with an overlay solution is a cost-effective and straightforward way to give a new look to walls and floors in a shorter time. ARDEX products can facilitate the rapid repair of damage to loosened tiles or the replacement of existing ones without the expense of a new installation.

Here are the steps to follow:

- 1 Assess the existing walls / floor tiles area to check for any loose tiles or damage.
- 2 Fill any gaps, holes, or areas of damage with ARDEX A 46 or ARDEX levelling & smoothing compound to create a flat and even surface to tile onto.
- 3 Roughen the existing tiled surface to ensure it is free from contamination that may impair adhesion before fixing the new tiles.
- 4 Use ARDEX X 18 or ARDEX X 77 Microtec Adhesives to fix the tiles.
- 5 Complete the renovation with ARDEX colour grout.

For further information and advice, please contact our Sales / Technical Services Department.



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