
TILING AND SUBSTRATE PREPARATION SYSTEMS



SYSTEMARDEX
PREMIUM PERFORMANCE



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

CONSTRUCTION WORLD WITH ARDEX

ARDEX-QUICSEAL Singapore is a manufacturer and solution provider of high quality building / construction, chemical and materials. We are proud to be a part of the ARDEX Group, founded in Witten, Germany in the 1940's that has now grown to become a global business, providing engineered solutions for flooring, waterproofing and tiling.

Today, ARDEX has achieved a worldwide presence through 71 subsidiaries with 3,900 employees active in offices and branches. There are strategic production bases located in more than 50 countries in the recent years.

VISION

The ARDEX Group envisions to be the world's leading solution and service provider of innovative building systems.



INNOVATION / SYSTEM ARDEX

INNOVATION

For over 70 years ARDEX has been synonymous with the development, manufacturing and marketing of premium quality specialist construction materials for the tiling, flooring and waterproofing industries.

Innovation has been a key influencer to this continued success, with technologies introduced many years ago still unique in their respective industries today. Being part of the Global ARDEX Group, ARDEX-QUICSEAL Singapore has access to a huge Research and Development resource which is continually developing world unique products and technologies, such as ARDEX X 77 which contains Microtec Technology and has a unique adhesive classification C2 T(T)E(E) S1.



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



ARDEX Rapidry Formula Technology - Is the ability of the mortar to totally bind the water used for mixing, virtually eliminating the risk of water staining.



ARDEX Grout Shield - Combats fungal and algal organisms which can lead to mould growth.

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.



SYSTEM ARDEX

ARDEX manufacture products in three main construction categories:

- Tiling
- Flooring
- Waterproofing

Each product is the result of research and development with the help of contractors, specifiers, manufacturers and clients to ensure a complete range of compatible products with market leading performance.



**A SYSTEM OF HIGH QUALITY, TOTALLY COMPATIBLE
PRODUCTS MATCHED WITH UNPARALLELED
TECHNICAL AND FIELD SUPPORT.**

ARDEX AND OUR ENVIRONMENT

As part of our ongoing commitment to the environment, ARDEX is constantly looking to employ best environmental practices, whilst also developing new and existing products to reduce our ecological footprint.

The indoor air quality of buildings is also enhanced by using ARDEX products. As shown in the table below, the performance leading and commonly used ARDEX tiling products are VOC tested and many have also been independently tested by official Green Building institutions responsible for Southeast Asia.

VOC TEST TABLE

TILE ADHESIVE	GROUTS / SILICONE	SURFACE PREPARATION PRODUCTS
ARDEX CT 5	ARDEX CA 20 P	ARDEX Abacrete
ARDEX X 10	ARDEX Grout Booster	ARDEX Abalastic
ARDEX X 13	ARDEX FG 8	ARDEX E 90
ARDEX X 18	ARDEX SE	ARDEX Multiprime
ARDEX X 29	ARDEX ST	
ARDEX X 77	ARDEX EG 15	
ARDEX ABAFLEX		
ARDEX OPTIMA		



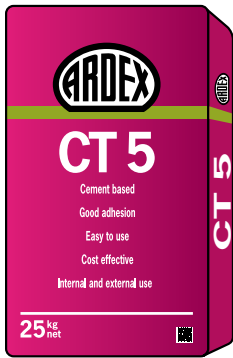


TILE AND STONE ADHESIVE

WALL AND FLOOR TILING

		ARDEX X 3	ARDEX X 3 + ARDEX ABALASTIC	ARDEX X 10	ARDEX X 13	ARDEX X 18	ARDEX X 18 + ARDEX E 90	ARDEX X 29	ARDEX x 52	ARDEX X 77	ARDEX X 77 + ARDEX E 90	ARDEX X 680	ARDEX X 685	ARDEX ABAFLEX	ARDEX OPTIMA	ARDEX X 685 + ARDEX ABALASTIC		
		CLASSIFICATION	C1 T	C1 T S1	C1 TE S1	C2 TE	C2 TE S1	C2 TE S1	C2 S1	C2 T(T) E(E) S1	C2 T(T) E(E) S2	C2 TE S2	C2 F TE S1	C2 T S1	C2 TE S2	C2 FT S1		
FLOORS	EXTERNAL	EXISTING TILES - REMOVE THE GLAZE		●	●		●	●	●	●	●	●	●	●	●	●	●	
		CONCRETE / SAND - CEMENT SCREED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	INTERNAL	PARTICLE BOARDS (WITH FIRM STRUCTURE)						●				●	●			●		
		EXISTING TILES - REMOVE THE GLAZE		●	●		●	●	●	●	●	●	●	●	●	●	●	●
		EXISTING TILES - NO GRINDING THE GLAZE (DRY AREA)					●	●			●	●	●	●	●	●	●	●
		COMPRESSED FIBRE - CEMENT SHEET		●	●		●	●	●	●	●	●	●	●	●	●	●	●
		CONCRETE / SAND - CEMENT SCREED	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
		INTERNAL WET AREA UNDERTILE MEMBRANE		●	●		●	●	●	●	●	●	●	●	●	●	●	●
	EXTERNAL	EXISTING TILES - REMOVE THE GLAZE		●			●	●			●	●	●	●	●	●	●	●
		EXISTING TILES - NO GRINDING THE GLAZE (DRY AREA)					●	●			●	●	●	●		●	●	●
		FIBRE - CEMENT SHEET		●			●	●			●	●	●	●	●	●	●	●
		CONCRETE / SAND - CEMENT RENDER	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
	WALL	INTERNAL	EXISTING TILES - REMOVE THE GLAZE		●	●		●	●	●	●	●	●	●	●	●	●	●
			EXISTING TILES - NO GRINDING THE GLAZE (DRY AREA)					●	●			●	●	●	●		●	●
FIBRE - CEMENT SHEET / PLASTERBOARD			●	●		●	●	●	●	●	●	●	●	●	●	●	●	
INTERNAL WET AREA UNDERTILE MEMBRANE			●	●		●	●	●	●	●	●	●	●	●	●	●	●	
CONCRETE / SAND - CEMENT SCREED		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	

Note: When fixing wall tiles that weigh more than 4kg individually or to a height above 3 metres, refer to ARDEX Technical Services.



ARDEX CT 5 COMMERCIAL TILE ADHESIVE



ARDEX CT 5 is a cement-based tile adhesive for the fixing of ceramic tiles to cement rendered walls, concrete or sand and cement topped floors. ARDEX CT 5 is recommended for fixing quarry tiles, slates and ceramic tiles. With good adhesion strength and Green Label certificate.

TILE TYPES

Glazed and unglazed tiles (with moisture absorption >6%). Slates, terracotta and quarry tiles

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

Grey and white

COVERAGE

Approx. 3kg of ARDEX CT 5 per m² when using a 6 x 6 x 6 mm notched trowel. The coverage varies depending on substrate condition, tile type and application technique

PACKAGING

25kg



ARDEX X 3 THIN SET MORTAR



Polymer-modified thin set used for setting quarry tile, natural stone tiles and slabs (with the exception of moisture-sensitive stones) and ceramic on interior and exterior cementitious surfaces. Also for setting porcelain tile and glass mosaics on interior applications over absorbent concrete surfaces only. Suitable for use over concrete floors with in-floor heating systems.

- Flexible
- Water and frost resistant
- Easy to mix and apply
- Extended pot life
- Use for interior and exterior floors and walls

TILE TYPES

Non moisture-sensitive natural stone, ceramic, tile (WA > 6%)

SUBSTRATES

- Concrete, Masonry and Cementitious surfaces
- Building boards, e.g. gypsum drywall and cement backer board

LOCATION

Internal and external (mixing with ARDEX ABALASTIC)

SURFACES

Floors and walls

COLOURS

Grey and white

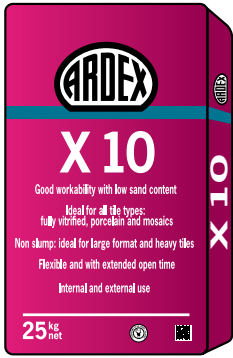
COVERAGE

Approximately 7.4m² per bag using 6mm x 6mm x 6mm trowel

Approximately 4.0m² per bag using 10mm x 10mm x 10mm trowel

PACKAGING

25kg



ARDEX X 10

FLEXIBLE NON SLUMP WALL AND FLOOR TILING ADHESIVE



ARDEX X 10 is a white polymer fortified cement-based wall and floor tile adhesive that has been specifically formulated with mastic type properties. ARDEX X 10 has an extended period open time, is non-slump and flexible.

For use in residential, commercial and industrial applications.

TILE TYPES

Fully vitrified and ceramic tiles, porcelain, concrete stone tiles e.g. terrazzo, natural stone (excluding moisture-sensitive), glass and porcelain mosaics

SUBSTRATES

- Concrete, renders, screeds
- ARDEX liquid applied undertile waterproofing membranes
- Fibres-cement sheet, plasterboard
- Existing ceramic tiles (where glaze is removed)

LOCATION

Internal and external

SURFACES

Floors and walls (Not suitable for swimming pools)

COLOURS

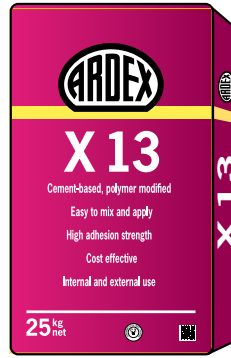
White

COVERAGE

Walls: 10m² per 25kg
Floors: 7.5m² per 25kg

PACKAGING

25kg



ARDEX X 13

HIGH STRENGTH TILE ADHESIVE



ARDEX X 13 is a cement-based, polymer modified tile adhesive for internal and external use for a variety of ceramic tiles. With high adhesion strength, C2TE classification and Green Label certificate.

TILE TYPES

For porcelain tiles, and fully vitrified tiles, ceramic mosaics, quarry tiles, dark natural stone (excluding moisture-sensitive stones), terrazzo and brick slip

SUBSTRATES

Cement / sand rendering, screed, concrete, glazed tiles / bricks and fibre cement sheets.

For drywall (gypsum plasterboards, fibre mesh reinforced cement faced tile backer boards) or where there is movement, mix ARDEX X 13 with ARDEX ABACRETE or ARDEX ABALASTIC additive. This increases flexibility, water resistance and also improves adhesion to low absorption tile

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

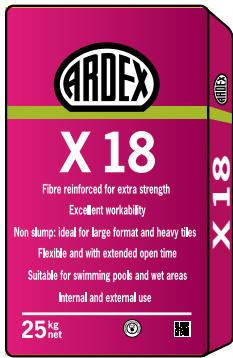
Grey and white

COVERAGE

Approx. 2kg of ARDEX X 13 per m² when using a 6 x 6 x 6 mm notched trowel and 4kg per m² when using a 10 x 10 x 10 mm trowel. Coverage varies depending on substrate condition, tile type and application technique

PACKAGING

25kg



ARDEX X 18

FIBRE REINFORCED FLEXIBLE NON SLUMP WALL AND FLOOR TILE ADHESIVE



ARDEX X 29

WALL AND FLOOR TILE ADHESIVE



ARDEX X 18 is a superior polymer fortified cement-based wall and floor tile adhesive that has been specially formulated with mastic type properties. It contains specially developed fibres that add strength to the tiled area. ARDEX X 18 has an extended open time and is non-slump and flexible.

TILE TYPES

Fully vitrified and ceramic tiles, porcelain, natural stones (excluding moisture-sensitive) and mosaics

SUBSTRATES

- Concrete, renders, screeds
- Fibre-cement sheet, plasterboard on walls
- Compressed fibre-cement sheet on floors
- ARDEX liquid applied undertile waterproofing membranes
- Existing ceramic tiles (internal dry areas)
- CTU (Ceramic Tile Underlay) over timber
- ARDEX DS 70

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

Off white

COVERAGE

25kg of ARDEX X 18 is sufficient for approx. 13.75m² on walls, using a 6 x 6 x 6mm notched trowel and – approx. 7m² on floors using a 10 x 10 x 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

PACKAGING

25kg

ARDEX X 29 is a cement-based, polymer modified tile adhesive suitable for fixing most types of ceramic tiles including porcelain, mosaics, quarries, natural stone, marble and terrazzo in interior and exterior situations.

- Non-slip, water resistant
- Long open time and adjustability time
- Suitable for porcelain tiles, non moisture-sensitive natural stone, terrazzo
- Flexible – Able to accommodate thermal and moisture movement
- High adhesion strength

TILE TYPES

Fully vitrified and ceramic tiles, porcelain, mosaics, quarries, non moisture-sensitive natural stone, marble and terrazzo

SUBSTRATES

Concrete, cement / sand render and screed, gypsum plasterboard, bricks block, cement sheets, tile backer boards

LOCATION

Internal and external

Note: Showers or similar wet areas to be waterproofed with ARDEX waterproofing

SURFACES

Floors and walls

COLOURS

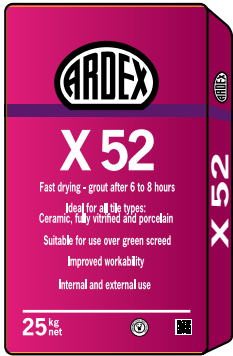
Grey and white

COVERAGE

Walls: 2m² using 6 x 6 x 6mm notched trowel
Floors: 7m² using 10 x 10 x 10mm notched trowel

PACKAGING

25kg



ARDEX X 52

ECONOMICAL FLEXIBLE RUBBER MODIFIED TILE ADHESIVE



ARDEX X 52 is an economical rubber modified cement-based adhesive for situations where minimal movement is anticipated.

- Used over early age screed
- Economical
- Flexible - achieves S1 classification
- Fast drying - grout after 6 to 8 hours

TILE TYPES

Porcelain, mosaics, fully vitrified, ceramics tiles and natural stone (excluding moisture-sensitive stone and translucent tiles)

SUBSTRATES

- Cement render / screeds, concrete
- Fibres-cement sheet, plasterboard
- Compressed fibre-cement sheet
- ARDEX undertile liquid applied waterproofing membranes (Not suitable for use directly over timber floors)

LOCATION

Internal and external (with satisfactory falls)
(Not suitable for continuous immersion applications e.g. swimming pools)

SURFACES

Floors and walls

COLOURS

Off white

COVERAGE

Walls: 13m² to 15m² per 20kg
Floors: 8m² to 10m² per 20kg

PACKAGING

25kg



ARDEX X 77

PREMIUM MICROTEC FLEXIBLE WALL AND FLOOR TILE ADHESIVE



ARDEX X 77 is a high performance, fibre reinforced, polymer modified walls and floor tile adhesive, which has been specially formulated with Microtec Technology to give exceptional properties of adhesion.

- E (E) achieves up to double the extended open time of E class adhesives.
- T (T) achieves up to double the slump resistance of T class adhesives
- More secure tiling system with Microtec Technology

TILE TYPES

Fully vitrified and ceramic tiles, porcelain, concrete stone tiles e.g. terrazzo, natural stone (excluding moisture-sensitive), glass and porcelain mosaics

SUBSTRATES

- Concrete, renders, screed
- ARDEX liquid applied undertile waterproofing membranes
- Fibre-cement sheet, plasterboard
- Existing ceramic tiles and vinyl
- Autoclaved Aerated Concrete (AAC)
- ARDEX DS 70
- Compressed fibre-cement sheet

LOCATION

Internal and external
(Suitable for swimming pools and immersion applications)

SURFACES

Floors and walls

COLOURS

Off white

COVERAGE

Walls: 11m² to 14m² per 25kg
Floors: 7.5m² to 9m² per 25kg

PACKAGING

25kg



ARDEX X 680

TWO PART HIGH FLEXIBLE TILE ADHESIVE



ARDEX X 685

FAST SETTING LARGE FORMAT TILE ADHESIVE



ARDEX X680 is a two-part highly flexible adhesive for bonding stone and tiles in a variety of applications. The product is blended from a special selection of acrylic latex blended with high quality fillers and aggregates to obtain bonding mortars with extremely high flexibility and adhesion strength. It provides excellent adhesion to most surfaces and hardens without noticeable shrinkage. The cured mortar is water resistant and mild chemicals resistant and durable to shocks, impact, extreme flexing, vibrations, and temperature changes.

TILE TYPES

Ceramic tiles, quarry tiles, klinker, mosaics, glass mosaics, natural stones (excluding moisture-sensitive)

SUBSTRATES

- Concrete, renders and screeds
- Plywood, gypsum boards, cement-boards
- Existing tiles

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

Grey

COVERAGE

Approx. 1.6kg per m² per 1mm thick

PACKAGING

20kg (Powder) + 5kg (liquid)

ARDEX X 685 is a specially formulated single component fast-setting adhesive for large format tiles installation. It is fast curing bonding mortar for non-sag wall installation with extremely high adhesion strength. The cured mortar provides water resistance and mild chemicals resistance.

- Fast return to service, for grouting in 3 – 4 hours
- Extended open time up to 30 minutes when tested in accordance with EN 1346
- Excellent non-sag performance – ideal for large format tiles

TILE TYPES

Ceramic tiles, quarry tiles, klinker tiles, mosaics, natural and artificial stones, glass mosaics

SUBSTRATES

- Concrete, renders and screeds
- Existing tiles

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

Grey

COVERAGE

Approx. 1.6kg per m² per 1mm thick

PACKAGING

25kg



ARDEX ABAFLEX

PREMIUM POLYMER MODIFIED FLEXIBLE TILE ADHESIVE



ARDEX ABAFLEX is a premium grade, cement-based wall and floor tile adhesive, which has excellent flexibility and is dry enough to be grouted after 8 hours.

- High performance
- Use over early age concrete/screeds and render
- Flexible
- Non-slump – achieves T rating
- Suitable for floor and wall tiling
- Excellent workability

TILE TYPES

Fully vitrified, porcelain, mosaics and non-moisture sensitive natural stone tiles

SUBSTRATES

- Concrete, renders, screeds
- ARDEX liquid applied undertile waterproofing membranes
- Medium density fibre-cement sheets on wall
- Plasterboard
- Existing ceramic and vinyl
- Autoclaved aerated concrete (AAC)
- Compressed fibre-cement sheet on floors

LOCATION

Internal and external

SURFACES

Floors

COLOURS

Grey

COVERAGE

Wall: Approx. 8.5m² per 25kg using 6 x 6 x 6mm notched trowel

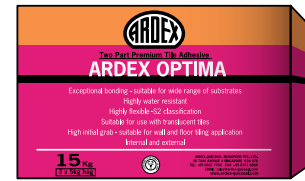
Floor: Approx. 6.5m² per 25kg using 10 x 10 x 10mm notched trowel

PACKAGING

25kg

ARDEX OPTIMA

TWO PART HIGHLY FLEXIBLE TILE ADHESIVE



ARDEX Optima is a premium-grade two part adhesive with exceptional bond. Its unique formula enables ARDEX Optima to be used over a number of difficult to adhere to surfaces.

- Exceptional bonding
- Highly water resistant
- Highly flexible – achieves S2 classification
- High initial grab

TILE TYPES

Fully vitrified and ceramic tiles, porcelain, concrete stone tiles e.g. terrazzo, natural stones (excluding moisture-sensitive), glass and porcelain mosaics

SUBSTRATES

- Brick and blockwork
- Tilt up and pre-cast concrete, mechanically prepared concrete, aerated concrete and cement renders
- Powder coated cladding, galvanised, stainless steel (degreased) and brass
- ARDEX liquid applied undertile waterproofing membranes and butynol
- Medium density fibre-cement sheet, compressed fibre-cement sheet, plasterboard
- Roughened fiberglass
- Existing ceramic tiles (thoroughly cleaned)
- Particle boards

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

White

COVERAGE

16m² at 1mm bed, 10m² at 1.5mm bed, 7m² at 2mm bed

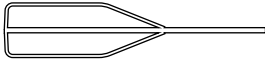
PACKAGING

Liquid 10kg, Powder - 6 x 5kg

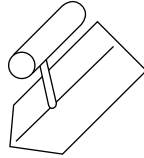
TOOLS AND ACCESSORIES

ARDEX tools are designed to facilitate installation through accurate and complete mixing of ARDEX compounds. Incorrect mixing and application may result in segregation, poor bonding or product underperformance.

ARDEX tools include:



ARDEX Mixing Paddle



Trowel & Trowel Handle



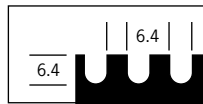
Clear Mixing Pail

The most common type of trowel for floors and wall is using the U-notched / or square-notched trowel. The notches vary in depth and width. U-NOTCH TROWEL is generally larger than a square notch trowel for laying large tiles, particularly those with rough or irregular backs, as well as marble, granite and stone tiles. SQUARE-NOTCH TROWEL is a spreader with a ribbed pattern for uniform thickness used for floor and wall tiling plus epoxy and sanded adhesives.

The major difference between square-notch and u-notch is the concentration level of the thinset that applied as follows:



**6.4mm
SQUARE-NOTCH**



**6.4mm
U-NOTCH**

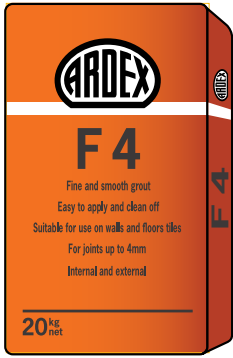
Wall tiles and Floors tiles trowel notch diagrams include:

Actual Size	Notch	a in mm	b in mm	c in mm	Y in mm
	Sq.	4.00	4.00	4.00	R
	Sq.	6.00	6.00	6.00	R
	Sq.	8.00	8.00	8.00	R
	Sq.	10.00	10.00	10.00	R
	Sq.	12.00	12.00	12.00	R
	U	2.40	6.00	5.00	U
	U	7.30	20.00	12.00	M

The comment and specifications in this table are given to the best of our knowledge and comply with the state-of-art standards. They are of a non-obligatory advisory nature only and do not constitute and an expressed or implied warranty of any types.



GROUT AND SILICONE



ARDEX F 4 (UNSANDDED) FINE WALL TILE GROUT



ARDEX FG 8 (SANDED) HIGHLY VERSATILE, FLEXIBLE COLOURED GROUT



ARDEX F 4 is a cement-based fine grouting compound for ceramic wall tiles and mosaics where the joint width does not exceed 4mm. The powder is mixed with water to produce a soft, creamy and easily worked mortar with good filling properties, allowing joints to be completely filled in one operation. The hardened ARDEX F 4 joint is smooth, weather resistant, unaffected by water and can be used for internal and external tiling in dry and wet conditions, including swimming pools with non-aggressive water conditions. NOTE: Where chemical spillages or corrosive liquids are likely to be in contact with the tilejoints, use ARDEX WA Epoxide Grout. ARDEX F 4 can be used with the addition of ARDEX E 101 mortar admix to produce tilejoints with improved elasticity and water repellency.

JOINT WIDTH

Up to 40mm wall

TILE TYPES

Ceramic wall tiles and mosaics

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

Various

COVERAGE

See coverage chart on page 25

PACKAGING

20kg

A smooth, flexible cement-based grout with improved colour integrity. ARDEX FG 8 is suitable for tile joints 1-8mm wide and is exceptionally easy to use on walls and floors.

- Excellent workability
- Strong uniform colour
- Easier to use
- Smooth finish, flush joints
- Mould resistant and water repellent

TILE TYPES

Ceramic and porcelain tiles, terrazzo, slate, quarry tiles, moisture-insensitive natural stones and mosaics

LOCATION

Internal and external
(Swimming pools use No. 200 White mixed with ARDEX Grout Booster)

SURFACES

Floors and walls

COLOURS

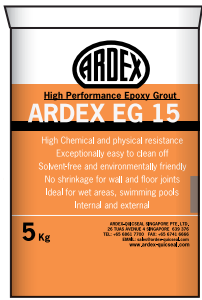
Various

COVERAGE

See coverage chart on page 25

PACKAGING

20kg



ARDEX EG 15 HIGH PERFORMANCE EPOXY GROUT



ARDEX EG 15 is a high performance epoxy grout designed for situations that require strict standards of hygiene, high chemical and physical resistance. ARDEX EG 15 is exceptionally easy to clean up during application. It can be used in joints up to 15mm wide on walls and floors.

TILE TYPES

Max width 30mm, depth 15mm

LOCATION

- Internal and external
- Swimming pools

SURFACES

Floors and walls

COLOURS

Various, matching current tile trends: Travertine, Havana, White, Misty Grey, Magellan Grey, Slate Grey, Charred Ash, Black

COVERAGE

See coverage chart on page 25

PACKAGING

Part A: 1L Part B: 500ml Part C: 5kg

ARDEX GROUT BOOSTER WATER-BASED POLYMER GROUT IMPROVER



ARDEX Grout Booster is a specially formulated, water-based, synthetic polymer grout additive. When mixed with ARDEX cement-based grouts, ARDEX Grout Booster improves adhesion, flexibility to reduce cracking and abrasion strength to avoid powdery grout. It can also be used to assist with reducing staining and for enhancing grout colour.

- For flexible and water repellent joints
- Recommended for use over substrates to movement
- High grade polymer assists curing process for enhanced colour
- Provides increased adhesion to dense tile edges and in heavy pedestrian traffic areas
- Ideal for swimming pools and reducing efflorescence
- Easy to clean formula

SUBSTRATES

- Concrete
- Cement render and screed, brickwork

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

White

COVERAGE

Refer to page 20 (ARDEX FG 8 & F 4)

PACKAGING

4L



ARDEX SE SILICONE FOR SANITARY INSTALLATIONS

ARDEX SE is an acetory curing silicone for applications such as movement joints (between tiles), internal corners (tiled wall and floor) and connecting joints between tiled surface and benchtops, bath edges, cupboards, splashbacks.

- Flexible sealant (up to 25% movement)
- Waterproofing – suitable for use in showers
- UV resistant – suitable for internal and external use
- Contains mould inhibitors
- Easy to use and smooth off

JOINT WIDTH

Max width 30mm, depth 15mm

SUBSTRATES

ARDEX SE bonds well to ceramic tiles, glass, enamel, anodized aluminium, granite, porcelain, laminated beach tops and sanitary acrylics

(Not recommended for other natural stones, e.g. marble, travertine and limestones)

LOCATION

Internal and external

Use ARDEX ST as bond breaker when using with ARDEX waterproof membranes

(Not suitable for continuous immersion use e.g. swimming pools)

SURFACES

Floors and walls

COLOURS

See colour chart on page 24

COVERAGE

See coverage chart on page 25

PACKAGING

310ml cartridge



ARDEX ST NEUTRAL CURE AND NON STAINING NATURAL STONE SILICONE

ARDEX ST is a unique, neutral curing silicone sealant with good adhesion properties yet is easy to apply and smooth. It is also characterised by its antifungal agents to combat mould growth and its non-corrosive properties.

- Ideal for use with sensitive natural stones
- Use in immersed applications, such as swimming pools
- Contains mould inhibitors

JOINT WIDTH

Up to 30mm wall, up to 15mm floor

SUITABILITY

ARDEX ST is ideal for moisture sensitive natural stone prone to staining, such as marble, gneiss, granite, sandstone and limestone. It can also be used on glazed and unglazed tiles, enamel, laminated kitchen benches, aluminium, concrete, glass, porcelain, waterproofing membranes, wood and sanitary acrylics

LOCATION

Internal and external

(Suitable as a bond breaker under ARDEX waterproof membranes and in immersed applications)

SURFACES

Floors and walls

COLOURS

See colour chart on page 24

COVERAGE

See coverage chart on page 25

PACKAGING

310ml cartridge



ARDEX SN+

NEUTRAL CURE HYGIENE SILICONE SEALANT

ARDEX SN+ is a one-component, neutral cure sanitary silicone sealant which can be easily applied and smoothed. It is suitable for areas with high humidity such as enclosed indoor, bathtub, sink area, etc. Due to the high elasticity, it is able to accommodate movement up to 25% of the original joint width. After curing, ARDEX SN+ prevents fungal and mold infestation. The joint can be cleaned easily.

JOINT WIDTH

Max width 30mm, depth 15mm

LOCATION

Internal

SURFACES

Floors and walls

COLOURS

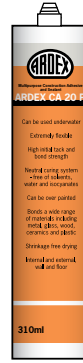
White, Ivory, Vanilla and Grey

COVERAGE

Width	Depth
5 - 10mm	as width min. 5mm
10mm	8 - 10mm
15mm	8 - 12mm
20mm	10 - 14mm
25mm	12 - 18mm

PACKAGING

300ml cartridge



ARDEX CA 20 P

MULTIPURPOSE CONSTRUCTION ADHESIVE AND SEALANT

One component, silane modified polymer adhesive and neutral curing sealant which hardens in reaction with moisture. ARDEX CA 20 P is extremely flexible with a high initial tack and good bond strength, making it suitable for a wide range of applications.

- Can be used underwater
- Ideal for minor repair applications
- Extremely versatile
- Use to seal expansion and connection joints
- Extremely flexible
- High initial tack and bond strength
- Neutral curing system – free of solvents, water and isocyanates
- Can be over painted
- Shrinkage free drying
- Low VOC content

USE

Ideal for bonding most construction materials e.g. glass, tiles, ceramics, wood, plastic and metal

LOCATION

Internal and external (Can be used in swimming pool)

SURFACES

Floors and walls

COLOURS

White

PACKAGING

310ml cartridge

JOINT DESIGN

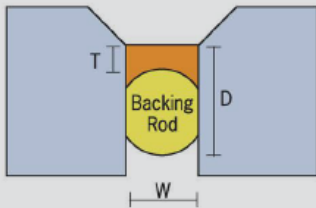
A LASTING SEAL

The function of silicone is to accommodate to movement and to do this, it needs to expand and contract freely. Proper joint design will ensure that the silicone provides a lasting seal.

Make sure:

- The silicone is bound on two sides, not all three.
- Do not fill the joint, the thickness of the silicone should be half the joint width.
- Maximum joint width is 30mm and thickness 15mm, Minimum is 6mm wide / 6mm thick.
- A backing rod at the base allows the silicone to move freely and is economical.

Optimum Joint Design



$$T : W/2$$

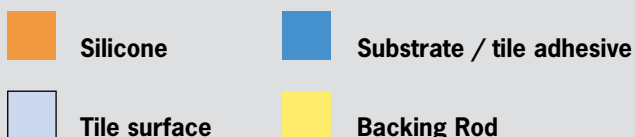
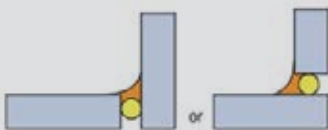
D - Joint depth
T - Sealant depth
W - Width

Floor Joint



Tape / Release Agent

Floor to Wall Joint

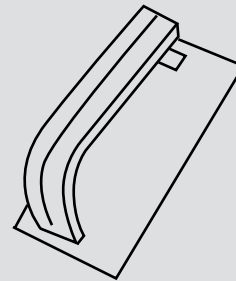


GROUTING TOOLS AND ACCESSORIES



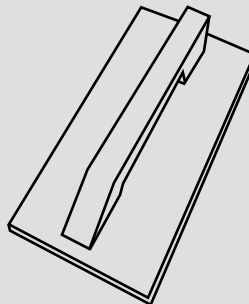
ARDEX Sponge

Square cut sponge for the cleaning off of ceramic tiles when grouting



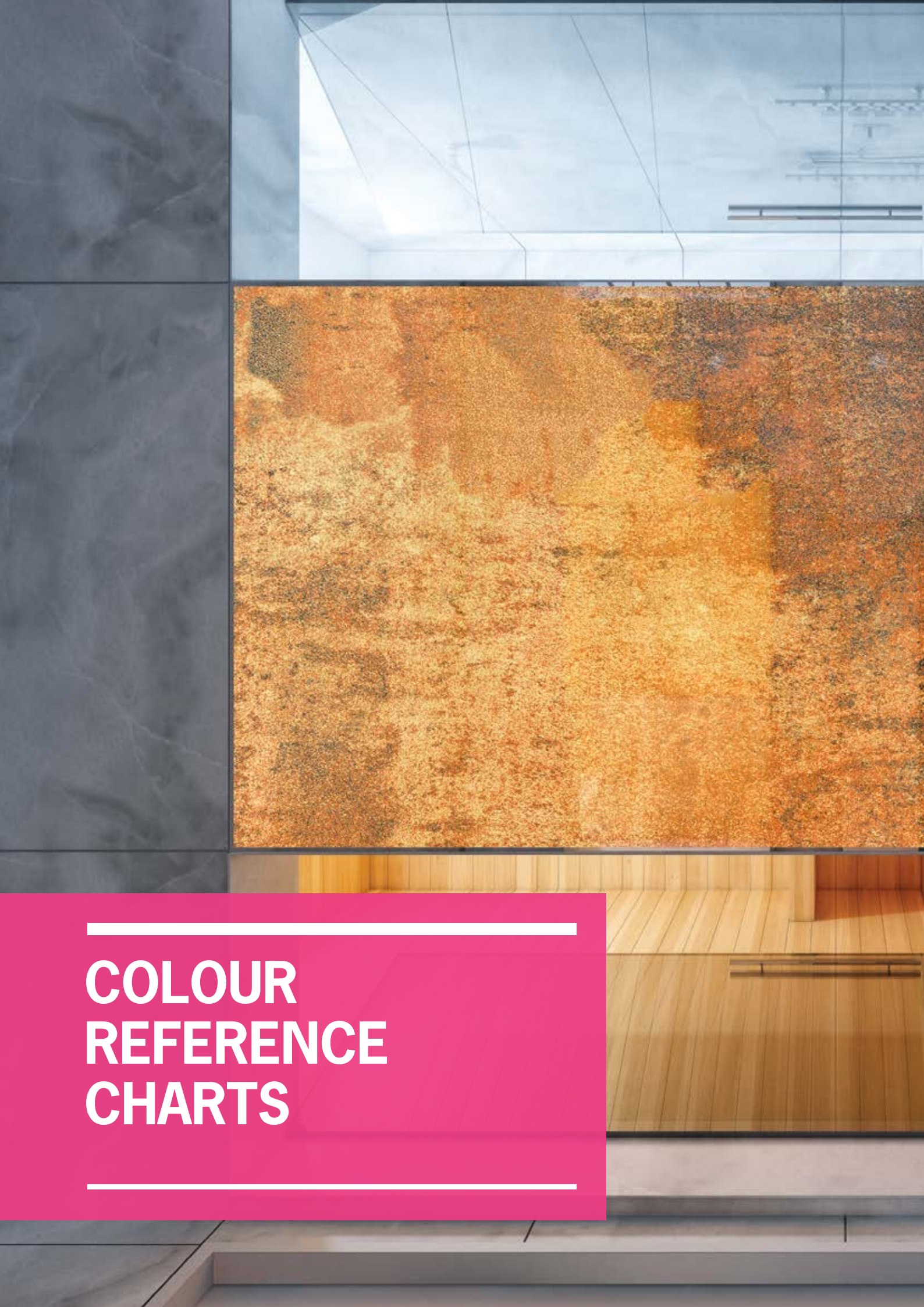
Scotchbrite Hand Pads (For Holder)

Hand held pads for emulsifying cement / epoxy residues while grouting



Rubber Backed Gauging Trowel Squeegee

For use as an all purpose squeegee for grouting and for removing surplus material.



COLOUR REFERENCE CHARTS

ARDEX F 4

Cement-based fine grouting compound for tile joints from 1 to 4mm wide, easy to use.



ARDEX FG 8

Highly versatile, flexible coloured grout for tile joints 1 to 8mm wide, exceptionally easy to use.



210 Mocha



277 Travertine



273 Magellan Grey



287 Charred Ash



216 Sandalwood



280 Havana



241 Misty Grey



250 French Vanilla



227 Todd River Sand



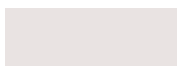
229 Buff



288 Macchiato



282 Alabaster



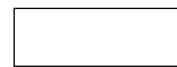
285 Mudberry



249 Light Beige



202 Midnight



200 White



248 Walnut



211 Slate Grey

ARDEX EG 15

A true epoxy - 100% solids epoxy grout for superior chemical, stain and physical resistance. Ideal for strict hygiene areas.



677 Travertine



673 Magellan Grey



680 Havana



611 Slate Grey



600 White



687 Charred Ash



641 Misty Grey



644 Black

ARDEX ST

Neutral cure silicone ideal for non-staining of natural stones and underwater joints.



ARDEX SE

Easy to apply, acetic silicone for the perfect seal.



DISCLAIMER

The colours contained in this brochure represent the best approximations of product colours achievable at the time of printing. The actual colours of the products installed at the jobsite may differ from the colours shown in this colour chart due to substrate condition and texture, jobsite conditions, product preparation, installation methods, lighting, etc.

Consequently, it is your responsibility to ensure that the colours are used and handled correctly and in accordance with any applicable standard. The supply of our products is also subject to certain terms, warranties and exclusions which may have already been disclosed to you in prior dealings or are otherwise available to you on request.

CEMENT-BASED GROUTS

Approximate coverage in kg/m². Coverage will vary according to the tile size, joint width and depth, as well as the method of application and on site conditions. Allow an additional 10-15% for wastage.

ARDEX FG 8	Joint Width	Tile Size: length X width X depth (mm)			
		25 X 25 X 4	100 X 100 X 8	200 X 200 X 8	330 X 330 X 9
	1.5mm	0.96kg/m ²	0.48kg/m ²	0.24kg/m ²	0.16kg/m ²
	3.0mm	1.92kg/m ²	0.96kg/m ²	0.48kg/m ²	0.33kg/m ²
	5.0mm	3.2kg/m ²	1.6kg/m ²	0.8kg/m ²	0.55kg/m ²
	8.0mm	5.12kg/m ²	2.56kg/m ²	1.28kg/m ²	0.87kg/m ²

ARDEX F 4 SE	Joint Width	Tile Size: length X width X depth (mm)				
		25 X 25 X 4	50 X 50 X 8	100 X 200 X 6	108 X 108 X 4	150 X 150 X 6
	1.5mm	0.5kg/m ²	0.24kg/m ²	0.14kg/m ²	0.11kg/m ²	0.12kg/m ²
	3.0mm	0.9kg/m ²	0.5kg/m ²	0.2kg/m ²	0.2kg/m ²	0.2kg/m ²
	5.0mm	1.4kg/m ²	0.7kg/m ²	0.41kg/m ²	0.3kg/m ²	0.4kg/m ²
	8.0mm	1.92kg/m ²	0.96kg/m ²	0.54kg/m ²	0.44kg/m ²	0.5kg/m ²

ARDEX EG 15	Joint Width	Tile Size: length X width X depth (mm)				
		25 X 25 X 4	100 X 100 X 8	200 X 200 X 8	330 X 330 X 9	600 X 600 X 10
	1.5mm	8.5kg/m ²	17.0kg/m ²	34.0kg/m ²	50.0kg/m ²	81.0kg/m ²
	3.0mm	4.0kg/m ²	8.5kg/m ²	17.0kg/m ²	25.0kg/m ²	40.0kg/m ²
	5.0mm	2.5kg/m ²	5.0kg/m ²	10.0kg/m ²	15.0kg/m ²	24.0kg/m ²
	10.0mm	1.2kg/m ²	2.5kg/m ²	5.0kg/m ²	7.5kg/m ²	12.0kg/m ²
	15.0mm	0.8kg/m ²	1.7kg/m ²	3.4kg/m ²	12.0kg/m ²	8.0kg/m ²

ARDEX SE	Joint Width	Tile Size: length X width X depth (mm)			
		25 X 25 X 4	100 X 100 X 8	200 X 200 X 8	330 X 330 X 9
	1.5mm	0.96kg/m ²	0.48kg/m ²	0.24kg/m ²	0.16kg/m ²
	3.0mm	1.92kg/m ²	0.96kg/m ²	0.48kg/m ²	0.33kg/m ²
	5.0mm	3.2kg/m ²	1.6kg/m ²	0.8kg/m ²	0.55kg/m ²
	8.0mm	5.12kg/m ²	2.56kg/m ²	1.28kg/m ²	0.87kg/m ²

ARDEX ST	Joint Width	Tile Size: length X width X depth (mm)			
		25 X 25 X 4	100 X 100 X 8	200 X 200 X 8	330 X 330 X 9
	1.5mm	0.96kg/m ²	0.48kg/m ²	0.24kg/m ²	0.16kg/m ²
	3.0mm	1.92kg/m ²	0.96kg/m ²	0.48kg/m ²	0.33kg/m ²
	5.0mm	3.2kg/m ²	1.6kg/m ²	0.8kg/m ²	0.55kg/m ²
	8.0mm	5.12kg/m ²	2.56kg/m ²	1.28kg/m ²	0.87kg/m ²



**PRIMERS,
ADDITIVES, SCREED,
WATERPROOFING AND
ACOUSTIC MEMBRANE**



ARDEX MULTIPRIME WATER-BASED PRIMER

ARDEX Multiprime is a water-based primer for improving adhesion of ARDEX products to various porous substrates.

- Water-based - no solvent hazard
- Quick drying
- Improves adhesion

SUBSTRATES

- Fibre-cement sheet
- Concrete, render, screeds
- Masonry and lightweight concrete blocks
- Marine plywood
- Particleboard

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

White

COVERAGE

Approx. 6m² per litre

PACKAGING

5L, 20L



ARDEX P 4 READY MIXED RAPID DRYING PRIMER

ARDEX P 4 is a ready mixed primer for use on absorbent and non-absorbent backgrounds in internal and external locations. It produces a textured surface that is especially effective in facilitating the adhesion of cement-based tile adhesives in tile-on-tile applications.

- Ready mixed re-sealable tub for convenience and ease of use
- Produces a textured grip surface, ideal for tile-on-tile applications
- Dries in as little as 30 minutes
- No-mess consistency eliminates drips and splashes for easy application
- Solvent free

SUBSTRATES

- Concrete
- Cement and lime renders
- Sand / Cement screeds
- Ceramic Tiles and slabs
- Terrazzo
- Dispersion based paints
- Traces of non-water soluble, flooring adhesives
- Dry screeds
- Levelling and smoothing compounds

LOCATION

Internal and external

SURFACES

Floors and walls

COVERAGE

Approx. 60m² on most typical substrates

PACKAGING

12kg



ARDEX E 655

ADDITIVE FOR MORTAR & SCREED

ARDEX E 655 is a water dispersion primer and additive designed to improve shear and tensile bond of sand/cement screeds, plasters, render mortars and tile adhesives. It is used for treating porous substrates and materials. Thus, it can be used as a primer and additive to prevent gypsum substrates from breaking off from the chemical reaction between gypsum and cement aluminates; and to improve strength of cement / sand, mortar / screed.

SUBSTRATES

- Cement render and screed
- Plaster

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

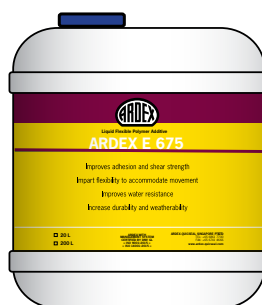
White

COVERAGE

- Screed: 9m² at bed thickness of 15mm, 3m² as a self-supporting screed at 40mm
- Render coat: 10m² at bed thickness of 10mm

PACKAGING

20L pail or 200L drum



ARDEX E 675

LIQUID FLEXIBLE POLYMER ADDITIVE

ARDEX E 675 is a specially formulated liquid polymer additive for use with Polymer modified cement-based tile adhesive to impart flexibility and improve adhesion, water resistance and shear strength.

ARDEX E 675 is perfect for use in all interior and exterior situations, including those where thermal and moisture movement and vibration of the substrate is anticipated

LIMITATIONS

- ARDEX E 675 modified tile adhesive has slightly shorter open time than standard mortars, especially in hot, dry conditions
- Check for surface skins regularly prior to bedding tiles. In exterior conditions, it is essential to provide protection from all extremes of climate during the fixing, grouting & curing operation

SUBSTRATES

- Cement render and screed, Concrete
- Compressed fibre-cement sheet
- Heated concrete slab

LOCATION

Internal and external

SURFACES

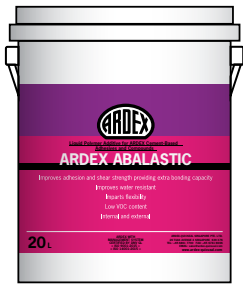
Floors and walls

COLOURS

Milky white

PACKAGING

20L pail or 200L drum



**ARDEX
ABALASTIC**
LIQUID POLYMER
ADDITIVE FOR ARDEX
CEMENT- BASED
ADHESIVES AND
COMPOUNDS

ARDEX Abalastic is a specially formulated liquid polymer additive. When mixed with ARDEX cement-based adhesives. ARDEX Abalastic imparts flexibility and improves adhesion, water resistance and shear strength.

- Improves adhesion and shear strength providing extra bonding capacity for dense-bodied tiles
- Imparts flexibility, ideal when used on substrates subject to limited movement
- Improves water resistance enabling cement-based adhesives to be used in external uncovered applications
- Low VOC content

SUBSTRATES

- Cement renders / screed , concrete
- Compressed fibre-cement sheet
- Heated concrete slab

LOCATION

Internal and external

SURFACES

Floors and walls

COLOURS

White

PACKAGING

20L



ARDEX E 90
CONCENTRATED
ADMIX FOR
CEMENT-BASED TILE
ADHESIVES

ARDEX E 90 is a special synthetic dispersion for use in conjunction with ARDEX cement-based adhesives, such as ARDEX X 18 and ARDEX X 77

The addition of ARDEX E 90 admix produces a mortar that is elastic, has high adhesion and water repellent properties.

- Improves adhesion and imparts flexibility
- Provides a water repellent mortar – when tiling in showers, swimming pools
- Allow direct fixing over existing tiles – no mechanical grinding of the glaze required
- Low VOC content

SUBSTRATES

- Fibre-cement sheet, compressed fibre-cement sheet, plasterboard
- Concrete, render, screeds
- Heated concrete slab

LOCATION

Internal and external

SURFACES

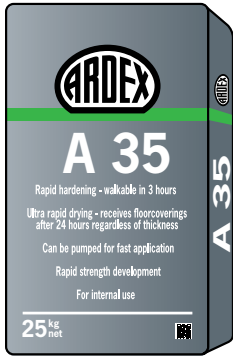
Floors and walls

COLOURS

White

PACKAGING

20L



ARDEX A 35

RAPID SETTING AND DRYING CEMENT FOR INTERNAL FLOOR SCREEDS



ARDEX A 35 incorporates ARDEX RAPIDRY FORMULA Technology which produces a floor screed that can be walked on after just 3 hours, and is dry enough to receive floorcoverings after 24 hours regardless of thickness.

After 1 day the compressive and tensile strengths of ARDEX A 35 exceed the acceptable minimum attained by a conventional screed after 28 days.

THICKNESS

- Bonded screed: 15 - 50mm
- Unbonded screed: 50mm+
- Floating screed: 65 / 75mm+
- (65mm for domestic locations only)

SUBSTRATES

- Bonded or unbonded screeds
- Floating screeds

LOCATION

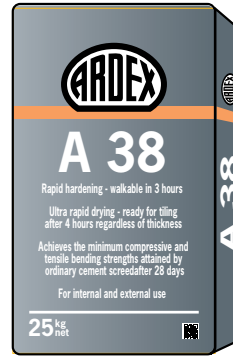
Internal in above or below grade applications

COVERAGE

Depending on flatness of surface a 25kg bag mixed with 125kg of screeding sand will cover approximately 1.6m² at 50mm thick.

PACKAGING

25kg



ARDEX A 38

ULTRA RAPID DRYING CEMENT FOR INTERNAL & EXTERNAL SCREEDS



ARDEX A 38 has been specially formulated to produce ultra-rapid drying floor screeds for internal and external locations. With 'RAPIDRY PLUS FORMULA' Technology, an ARDEX A 38 screed can be walked on after just 3 hours.

ARDEX A 38 achieves rapid strengthening and will pass a BRE Screed (ISCR) Test after just 6 hours. After a day, it will also exceed the acceptable minimum compressive and tensile bending strengths attained by ordinary cement screeds after 28 days.

THICKNESS

- Bonded screeds: 15mm – 40mm
- Unbonded screeds: 50mm
- Floating screeds: 65mm / 75mm (65mm for domestic locations only)

DRYING TIME

- Ready for tiling in 4 hours
- Ready for resilient floorcovering in 48 hours

SUBSTRATES

- New and existing concrete
- New and existing cement / sand screed

FLOOR COVERINGS

All types of tiles and resilient soft floorcoverings

LOCATION

Internal and external

COVERAGE

Approximately 0.31kg of ARDEX A 38 cement per m² per millimetre of screed thickness using a 1:5 mix

PACKAGING

25kg



ARDEX DS 70

RECYCLED RUBBER IMPACT INSULATION MAT

ARDEX DS 70 is a high-performance, resilient rubber flooring underlayment for the reduction of impact sound, decoupling and crack isolation under hard floorcoverings. ARDEX DS 70 is made from 92% post-consumer recycled, wear- and water-resistant rubber granules and is rated to provide a 14 dB improvement to ISO 717-2. ARDEX DS 70 also acts as a decoupling mat through isolating cracking and substrate movement from the flooring finish.

USE

- Under hard flooring surfaces such as ceramic and stone tiles, luxury vinyl tile and timber
- In both dry and wet areas
- In both commercial and domestic locations
- Internal applications only
- Suitable for use with castor wheels
- Suitable for use with heated floors

SUBSTRATES

- Concrete, cement sand screed
- Heated screeds
- Wood / timber bases

LOCATION

Dry and wet areas

MAT SIZE

1.2m x 9.1m x 5mm

WEIGHT

45kg /roll



ARDEX WPM 106

HIGHLY FLEXIBLE, CEMENTITIOUS WATERPROOF COATING



ARDEX WPM 106 is a two component waterproofing coating, designed to withstand high water pressure in many different applications. Formulated with non-toxic materials, ARDEX WPM 106 ideal for potable water usage. It exhibits excellent crack accommodation qualities even after long-term water immersion.

APPLICATIONS

- Water tanks
- Swimming pools and pool decks
- Corrosion protection for reinforcing steel
- Under marble, granite, even in wet areas
- Suitable for use on new refurbishment projects
- On external environmental decks
- Green Label certified

SUBSTRATES

- Clean and sound, free of dust, loose particles, grease or any other contaminants
- Substrate must be damp, but free from standing water

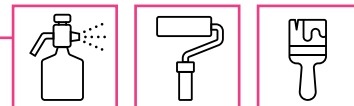
COVERAGE

Approx. 0.8 - 1kg per m² per coat

COLOURS

Grey

METHODS



PACKAGING

30kg set

ARDEX WPM 108

QUICK DRYING UNDERTILE WATERPROOFING MEMBRANE FOR WET AREAS



ARDEX WPM 108 is a tough, ready to use waterproofing membrane specifically designed for use under tiles. ARDEX WPM 108 is totally resistant to re-emulsification once cured and not affected by temperature extremes.

ARDEX WPM 108 is flexible, safe to use, low in odour, and is fully compatible with all ARDEX tile adhesive.

- Single component ready to use onsite
- Water-based, environmentally and user friendly with very low odour
- Will not cause stains to subsequent materials laid onto it
- Form a seamless homogeneous, waterproof barrier with no laps or joints
- Compatible with quality tile adhesives
- Maintain consistent flexibility with no premature embrittlement in its service life
- Green Label certified

APPLICATIONS

Apply to form a waterproof membrane in residential, commercial and industrial environment

SUBSTRATES

Concrete, metal and wood surface

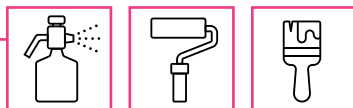
COVERAGE

Approx. 20m² at 0.50mm (DFT)

COLOURS

Charcoal Black

METHODS



PACKAGING

18L pails

ARDEX WPM 109

HIGHLY FLEXIBLE CEMENT BASED WATERPROOF COATING



ARDEX WPM 109 is a coating for structures that retain or exclude water.

It is designed to withstand high water pressure in many different applications. Formulated with non-toxic materials, ARDEX WPM 109 is ideal for potable water usage and exhibits excellent crack accommodation qualities even after long term water immersion.

- Flexible & elastic, can bridge over cracks
- Bonds to green concrete
- Ability to withstand heavy topping without fracture
- Excellent adhesion to sound substrate
- Durable and UV resistant
- Low VOC
- Green Label certified

APPLICATIONS

- Water tanks
- Swimming pools and pool decks
- Corrosion protection for reinforcing steel
- Internal wet areas
- Water features and ponds
- Deck and balcony

SUBSTRATES

Concrete, metal and wood surface

COVERAGE

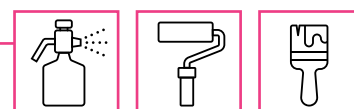
Two coats with the total DFT of 1.2mm thickness for flooring is recommended for an effective waterproofing membrane. Coverage will vary depending on the porosity of the surface.

	Dry Film per coat	Wet Film per coat	Total Dry Film (2 coats)
Floors	Approx. 0.6mm	Approx. 0.9mm	Approx. 1.2mm
Walls	Approx. 0.4mm	Approx. 0.6mm	Approx. 0.8mm

COLOURS

Grey

METHODS



PACKAGING

34kg set

TECHNICAL INFORMATION



ARDEX is 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 team of technical advisers works with contractors and specifiers, as well as with the ARDEX R&D team to provide solutions for specific applications. Some of these common solutions are published in ARDEX Technical Bulletins which are available on request. Some examples includes:

- Tiling over timber
- Tiling with underfloor heating systems
- Fixing moisture sensitive stone

Contact us for help with anything out of the ordinary, if we don't have the answer we will certainly investigate.

AS 4992 / EN 12004 TILE ADHESIVE CLASSIFICATION

The aim of the system is to provide a guideline for tile adhesive performance. The standard provides parameters for which tile adhesives are tested to, depending on their performance that can be granted specific classifications.

Firstly, tile adhesives are defined in three types, these are:

- C** CEMENTITIOUS ADHESIVE
- D** DISPERSION ADHESIVE
- R** REACTION ADHESIVE

Each type of adhesive can potentially have additional characteristics, which fall under the following classes:

- 1** Normal adhesive (standard strength tile adhesive)
- 2** Improved adhesive (stronger tile adhesive)
- F** Fast setting/drying adhesive (quicker setting of the adhesive allowing for earlier grouting)
- T** Slip resistant adhesive (no slipping of wall tiles)
- E** Adhesive with extended open time (once spread, the adhesive can be left without a tile being fixed for a longer time)
- S** Special deformable characteristic, for cementitious adhesives only (degree of flexibility of the adhesive, either S1 - flexible or S2 - highly flexible)

Each adhesive can therefore be classified under one of the following designations in the table.

ADHESIVE TYPE	CLASS/ CHARACTERISTICS	DESCRIPTION
C1		Normal cementitious adhesive
C1	F	Fast setting cementitious adhesive
C1	T	Normal cementitious adhesive with slip resistance
C1	FT	Fast setting cementitious adhesive with slip resistance
C2		Cementitious adhesive with improved characteristics
C2	E	Cementitious adhesive with improved characteristics and extended open time
C2	F	Fast setting cementitious adhesive with improved characteristics
C2	T	Cementitious adhesive with improved characteristics and slip resistance
C2	TE	Cementitious adhesive with improved characteristics, slip resistance and extended open time
C2	FT	Fast setting cementitious adhesive with improved characteristics and slip resistance
D1		Normal dispersion adhesive
D1	T	Normal dispersion adhesive with slip resistance
D2		Dispersion adhesive with improved characteristics
D2	F	Fast drying dispersion adhesive with improved characteristics
D2	T	Dispersion adhesive with improved characteristics and slip resistance
D2	TE	Dispersion adhesive with improved characteristics, slip resistance and extended open time
R1		Normal reaction resin adhesive
R1	T	Normal reaction resin adhesive with slip resistance
R2		Reaction resin adhesive with improved characteristics
R2	T	Reaction resin adhesive with improved characteristics and slip resistance

Note additional designations may be inserted according to the combination of the different symbols of the characteristics, e.g. C2 FTE S1 fast setting deformable cementitious adhesive with improved characteristics, slip resistance and extended open time.

Some ARDEX adhesives, such as ARDEX X 77, far exceed the above standard classifications and have achieved unique classifications. These have been independently tested by MPA Dortmund, Germany and are highlighted below.

E(E) - double the extended open time of adhesive

T(T) - double the slip resistance adhesives

TECHNICAL INFORMATION

IMPORTANCE OF SUBSTRATE PREPARATION

Each substrate is prepared in its own way; this is because every substrate has different properties that need to be considered. For example, timber has a high degree of movement and hence a highly flexible adhesive is needed.

In general, we prepare the substrate to ensure a good bond between the tile and the substrate is achieved. Basic requirements of the surface:

- Must be clean and free from dirt, dust, oil, grease, laitance, paint, old adhesive and other materials that can cause a barrier to adhesion.
- Structurally sound and strong to support the weight of the tiles being fixed.
- Ensure surfaces are dry, no residue or permanent damp before tiling.
- The substrate that required drying time to lapse is allowed.
- Prime porous substrates.

Substrate preparation is critical to the performance of the whole system, bad preparation is one of the main reasons for tiling system failures.

ONGOING PROFESSIONAL DEVELOPMENT

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

For tilers committed to providing a high level of workmanship, ARDEX can help you stay up to date, and increase both your professionalism and productivity.

ARDEX workshops / trainings are 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 Government Standard.
- Useful tips - simplifying the installation process.
- New materials / trends and the implication on fixing.
- Getting the most out of new adhesives and grouts.
- Specification of tiling systems for economical installation.

Contact your local ARDEX office for information on upcoming workshops.

DISCLAIMER

The technical details, recommendations and other information contained in this catalogue are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may affect specific installation recommendations. The supply of our products and service is also subject to certain terms, warranties and exclusions, which may have already been disclosed to you in prior dealings or are otherwise available to you on request.

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