



## ARDEX Floor and Wall Tile Adhesive

### ARDEX X7 G

Extremely versatile adhesive for internal/external applications, suitable for walls and floors. Available in grey in 22kg, 11kg and 5kg bags. Coverage: 1.3kg/m<sup>2</sup>/mm of bed thickness.



### ARDEX X7 G PLUS

Grey flexible adhesive with built-in admix, formulated to have high yield per bag. Suitable for fixing all types of quarry tiles. Available in 18kg bags. Coverage: 1kg/m<sup>2</sup>/mm of bed thickness.



### ARDEX S 16



Grey rapid setting tile adhesive, suitable for fixing all types of quarry tiles in internal areas. Tiles can be grouted after 2-3 hours. Available in 22kg and 11kg bags. Coverage: 1.35kg/m<sup>2</sup>/mm of bed thickness.



### ARDEX X7 R

Grey rapid setting, flexible adhesive for floor and wall tiling which will allow grouting after 2 hours. Suitable for fixing all types of quarry tiles. Available in 22kg bags. Coverage: 1.4kg/m<sup>2</sup>/mm of bed thickness.



## ARDEX Floor Tile Bedding Mortar

### ARDEX S 21

Rapid hardening floor tile bedding mortar for large and small format quarry tiles. May be used to smooth rough bases and make up screed levels. For internal/external applications. Tiles can be grouted and trafficked 3 hours after fixing. Available in 22kg bags. Coverage: 1.8kg/m<sup>2</sup>/mm of bed thickness.



## ARDEX-FLEX Flexible Floor Tile Bedding Mortar - Built-in Admix

### ARDEX-FLEX S 38

Rapid hardening flexible floor tile bedding mortar for fixing all types of quarry tiles. Its enhanced adhesion properties and pourable consistency make it ideal for solid bedding large format quarry tiles. For internal/external applications. Available in 22kg bags. Tiles can be grouted and trafficked 5 hours after fixing. Coverage: 1.3kg/m<sup>2</sup>/mm of bed thickness.



## Fast Track General Purpose Flexible Adhesive, Ideal for Timber Floors

### ARDEX-FLEX 7001



Grey, rapid hardening and drying, cement-based general purpose floor tile adhesive for internal applications specifically designed for fixing quarry floor tiles to wood-based sheets and boards. Tiles can be grouted and trafficked 2 hours after fixing. Available in 22kg and 11kg bags. Coverage: 1.4kg/m<sup>2</sup>/mm of bed thickness.



## ARDEX-FLEX Flexible Floor and Wall Tile Adhesives - Built-in Admix

### ARDEX-FLEX 5001

Grey flexible tile adhesive for internal/external use with all types of quarry tiles. Suitable for walls and floors, built-in admix. Available in 22kg and 11kg bags. Coverage: 1.1kg/m<sup>2</sup>/mm of bed thickness.



### ARDEX-FLEX 6001

Grey rapid setting flexible tile adhesive which can be grouted and walked on after only 1½ hours. Use with all types of quarry tiles. For internal and external applications. Suitable for walls and floors. Available in 22kg and 11kg bags. Coverage: 1.2kg/m<sup>2</sup>/mm of bed thickness.



## ARDEX Epoxy Adhesive and Grout

### ARDEX WA

Epoxy adhesive and grout for use where an impervious and chemically resistant quarry tile bed is needed. Easy to apply and clean off. For internal/external applications. Available in grey or white 4kg units and 2kg units white only. Coverage as an adhesive: 1.5kg/m<sup>2</sup>/mm of bed thickness.



## ARDEX Wall and Floor Tile Grouts

### ARDEX C 2

Available in grey, white, limestone, sandstone, beige or anthracite – for quarry tile joint widths from 2mm to 20mm wide, suitable for wall and floor tiling in internal/external locations. Available in 11kg or 5kg (anthracite, beige, grey or white) bags.

### ARDEX GK

Rapid setting and hardening grout for internal and external use on quarry tile joint widths from 3mm to 20mm wide. Suitable for floors and walls, available in anthracite or grey in 11kg bags.

## ARDEX-FLEX Flexible Floor and Wall Tile Grout - Built-in Admix

### ARDEX-FLEX FL

Rapid setting and hardening, flexible and water repellent grout for wall and floor tile joints from 3-15mm wide in internal/external locations. Available in white or grey in 11kg and 5kg bags.

## Primers and Admixes

### ARDEX E 90

Mortar admix for use with ARDEX X 7, ARDEX S 16 and ARDEX S 21 cement-based adhesives. Gives elastic and water repellent properties plus enhanced adhesive strength if fixing to smooth or glazed surfaces.

### ARDEX E 101

Grout admix for ARDEX C 2 and GK cement-based grouts and normal cement/sand grout mortars. For elastic and water repellent tile joints.

### ARDEX P 51

Undiluted for priming timber floors before applying ARDEX-FLEX 7001 or ARDEX S 16/ARDEX E 90 and for priming anhydrite floors, diluted 1:3.

### ARDEX P 82

Solvent-free, non-flammable, two part, water dispersed epoxy primer and bonding agent for use on all dense impervious surfaces, including hard flooring grade asphalt and rigid metal sub-floors.

# ARDEX ADHESIVE SELECTOR

This table is a brief guide to the selection of a suitable ARDEX adhesive for quarry tiling. For further information contact our Technical Services Department.

| INTERNAL FLOORS                      | CEMENT-BASED ADHESIVES |                             |            |                 |            |                               |                 |                 |                 |            | FLOOR TILE BEDDING MORTAR | EPIDIOLE ADHESIVES | GUIDANCE NOTES ON BACKGROUND TO BE TILED |  |
|--------------------------------------|------------------------|-----------------------------|------------|-----------------|------------|-------------------------------|-----------------|-----------------|-----------------|------------|---------------------------|--------------------|--|--|
|                                      | ARDEX X7 G             | ARDEX X7 + ARDEX E 90 ADMIX | ARDEX X7 R | ARDEX X7 G PLUS | ARDEX S 16 | ARDEX S 16 + ARDEX E 90 ADMIX | ARDEX-FLEX 5001 | ARDEX-FLEX 6001 | ARDEX-FLEX 7001 | ARDEX S 21 |                           |                    |  | ARDEX S 21 + ARDEX E 90 ADMIX  |
| CEMENT/SAND SCREED                   | ●                      | ●                           | ●          | ●               | ●          | ●                             | ●               | ●               | ●               | ●          | ●                         | ●                  | ●  | New cement and sand screeds require at least 3 weeks drying time prior to fixing quarry tiles.   |
| ANHYDRITE SCREED ◆                   | ○                      | ○                           | ○          | ○               | ○          | ○                             | ○               | ○               | ○               | ○          | ○                         | ○                  | ○  | Ensure that the surface is hard and the anhydrite screed is fully dry. If porous use ARDEX P 51 primer, if non-porous use ARDEX P 82 primer. |
| HARD FLOORING GRADE ASPHALT SANDED ◆ |                        | ●                           | ●          | ●               |            | ●                             | ●               | ●               |                 | ●          | ●                         |                    |  | With well adhered sand key no primer is required. If sand key is poor or worn off, proceed as for smooth asphalt.                            |
| HARD FLOORING GRADE ASPHALT SMOOTH ◆ |                        | ○                           | ○          | ○               |            | ○                             | ○               | ○               |                 | ○          | ○                         |                    |  | Use ARDEX P 82 primer.   |
| EXISTING CERAMIC TILING              | ○                      | ●                           | ○          | ○               | ○          | ●                             | ○               | ○               | ○               | ○          | ●                         | ○                  | ●  | Ensure existing tiling is well adhered. Thorough cleaning and rinsing off essential.   |
| TERRAZZO                             | ○                      | ●                           | ○          | ○               | ○          | ●                             | ○               | ○               | ○               | ○          | ●                         | ○                  | ●  | Ensure existing terrazzo is well adhered. Thorough cleaning and rinsing off essential; mechanical preparation may be required.               |
| CONCRETE                             | ●                      | ●                           | ●          | ●               | ●          | ●                             | ●               | ●               | ●               | ●          | ●                         | ●                  | ●  | Ensure that new concrete is at least 6 weeks old prior to fixing quarry tiles. Check that surface curing agents are removed.                 |
| WET LOCATIONS ✕                      | ●                      | ●                           | ●          | ●               |            |                               | ●               | ●               |                 | ●          | ●                         | ●                  | ●  | Backgrounds should be water resistant and suitable for direct fixing. Quarry tiles should be solid bed fixed.                                |
| TIMBER FLOORS                        |                        |                             |            |                 |            | ○                             |                 |                 | ○               |            |                           |                    |  | Use undiluted ARDEX P 51 primer.   |

For floor tiling, tiling in wet locations and for external tiling solid bed fixing is required. (No voids behind tiles).

- ◆ Bed thickness max 3mm
- ◆ Adhesive bed thickness not greater than 6mm

|            |                             |            |                 |            |                               |                 |                 |                 |            |                               |                 |          |
|------------|-----------------------------|------------|-----------------|------------|-------------------------------|-----------------|-----------------|-----------------|------------|-------------------------------|-----------------|----------|
| ARDEX X7 G | ARDEX X7 + ARDEX E 90 ADMIX | ARDEX X7 R | ARDEX X7 G PLUS | ARDEX S 16 | ARDEX S 16 + ARDEX E 90 ADMIX | ARDEX-FLEX 5001 | ARDEX-FLEX 6001 | ARDEX-FLEX 7001 | ARDEX S 21 | ARDEX S 21 + ARDEX E 90 ADMIX | ARDEX-FLEX S 38 | ARDEX WA |
|------------|-----------------------------|------------|-----------------|------------|-------------------------------|-----------------|-----------------|-----------------|------------|-------------------------------|-----------------|----------|

**KEY:**

- Fix directly to prepared background
- Prime prepared background prior to fixing

NOTE: Surfaces to be tiled must be adequately flat and when checked with a 2m straight edge, any gap under the straight edge between points of contact with the surface should not exceed 3mm (Surface Regularity 1). Any small scale irregularities should be pre-smoothed before tiling.

✕ ARDEX WPC can be used to protect moisture sensitive backgrounds in wet locations, prior to fixing tiles using the appropriate ARDEX cement-based adhesive.

**PRIMERS**

ARDEX P 51 For use with ARDEX-FLEX 7001 or ARDEX S16/ARDEX E 90 on timber and for use on plaster before fixing with ARDEX or ARDEX-FLEX cement-based adhesives. Also for use on porous and absorbent anhydrite screeds.

ARDEX P 82 Non-flammable, water-based synthetic primer for bonding to wood-based and smooth impervious surfaces including existing ceramic tiling, internal asphalt, terrazzo, sound and well adhered paint coatings and old adhesive residues, prior to the use of cement-based adhesives.

NOTE: All backgrounds must be rigid, clean, stable and free from any barriers to adhesion such as dust, plaster droppings, grease, polish and any water softenable or loosely adhered materials. Good adhesion to the background is very important to guarantee the successful application of tiling.

## GROUT SELECTOR TABLE

The table above gives brief guidance on the selection of the most appropriate ARDEX adhesive for use on a particular background. More detailed information is contained in our technical literature.

**KEY:**

- Recommended
- Addition of ARDEX E 101 for water repellent joints

| PRODUCTS      | SITUATION   |              |                          |                    |                    |                        |                                 |                                   |                      |                  |               | Grout Coverage Figure |           |         |                                       |                     |
|---------------|-------------|--------------|--------------------------|--------------------|--------------------|------------------------|---------------------------------|-----------------------------------|----------------------|------------------|---------------|-----------------------|-----------|---------|---------------------------------------|---------------------|
|               | Wall Tiling | Floor Tiling | Heavy Pedestrian Traffic | Internal Locations | External Locations | Wet Internal Locations | Swimming Pools (Balanced water) | Swimming Pools (Aggressive water) | Aggressive Spillages | Heavy Industrial | Early Traffic |                       | Abattoirs | Dairies | High Hygiene Areas (Food preparation) | Abrasive Conditions |
| ARDEX C2      | ●           | ●            |                          | ●                  | ○                  | ○                      | ○                               |                                   |                      |                  |               |                       |           |         |                                       | 1.7                 |
| ARDEX GK      | ●           | ●            | ●                        | ●                  | ○                  | ○                      | ○                               |                                   |                      | ●                |               |                       |           |         |                                       | 1.8                 |
| ARDEX-FLEX FL | ●           | ●            | ●                        | ●                  | ●                  | ●                      | ●                               |                                   |                      | ●                |               |                       |           |         |                                       | 1.75                |
| ARDEX WA      | ●           | ●            | ●                        | ●                  | ●                  | ●                      | ●                               | ●                                 | ●                    | ●                | ●             | ●                     | ●         | ●       | ●                                     | 1.5                 |

**COVERAGE** This will depend upon tile size, joint width, depth and the Grout Coverage Figure (G.C.F) Use the following to estimate the approximate grout requirements for square or rectangular tiles (all dimensions in mm):

Stage 1. ADD length and breadth of tile together.  
 2. MULTIPLY result by joint width.  
 3. MULTIPLY result by joint depth.  
 4. MULTIPLY result by the Grout Coverage Figure (G.C.F).  
 5. DIVIDE result by length of tile.  
 6. DIVIDE result by width of tile.

The result is the material requirement in kg per sq metre.

**SUMMARY** Material required is:

$$\frac{(\text{length} + \text{breadth}) \times \text{width} \times \text{depth}}{\text{length} \times \text{breadth}} \times \text{G.C.F.} = \text{kg/m}^2$$

**EXAMPLE** Using ARDEX C2:  
 Tiles 240mm x 115mm x 10mm; joints of 10mm:-  

$$\frac{(240 + 115) \times 10 \times 10}{240 \times 115} \times 1.7 = 2.2\text{kg/m}^2$$

Thus one 11kg bag of ARDEX C2 will grout up to 5m<sup>2</sup> of tiling.

NOTE: The information supplied in our literature or given by our employees is based upon extensive experience and, together with that supplied by our agents or distributors, is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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N.B. All ARDEX products should be mixed and applied in accordance with the relevant product data sheet.