



## 3110 unifix Low Dust



Cement based, polymer strengthened white tile adhesive for floor and wall, inside and outside, in wet and dry rooms.

- Substrates with moderate shrinkage/deformation
- All types of tiles, natural stones and glass mosaics
- Classified C2TE S1 flexible
- Low Dust

3110 unifix is based on white low alkaline cement that is easy to prepare and distribute on tiling surface and which makes cleaning of tools easy. Ideally suited for transparent, translucent stone and glass mosaics. High load capacity ensures no vertical slip.

3110 unifix is supplied in 15 kg bags.

### Building part

- Wall
- Floor
- Wetroom
- Swimming pool
- Indoor
- Outdoor

### Substrate

- Minimum shrinkage/deformation
- Moderate shrinkage/deformation
- Large shrinkage/deformation
- Concrete floors
- Concrete elements
- Floor screed
- Elec.- or waterbased floor heating
- Old tiling /painted surfaces
- Gypsum plaster
- Gypsum boards/cellplast boards cement coated
- Lightweight concrete blocks
- Lightweight concrete elements
- Plastered bricks
- Wooden Boards
- Wetroom membrane

## Product description

Cement based, frostproof, water resistant and polymer strengthened white tile adhesive in low dust powder form.

## Technical data

Density:	1450 kg/m <sup>3</sup>
Product class acc. to EN 12004	C2TE S1
Pot life:	approx. 6 hours
Setting time at 18°C for grouting/light foot walking traffic:	10-18 hours
Final set:	7 days
Recommended working temperature.:	10-25°C
Consumption wall (average):	2.5 kg/m <sup>2</sup>
Consumption floor (average):	3.5 kg/m <sup>2</sup>
<b>CE</b>	See information on DoP

## Application areas

For mounting of ceramic tiles, clinker and natural stones, inside and outside, in wet and dry areas. Suitable for heated floor and thin translucent tiles, glass mosaic, light marble and similar tiles.

## Types of substrate

Stable floors and walls with moderate tension/deformation as rendered/plastered bricks, block walls, gypsum plates, concrete elements and light concrete elements with moderate shrinkage, movements and deformation.

## Pre-treatment of substrate

Ensure substrate has carrying capacity, is stable and coherent, cleaned for dust, grease and cement laitance. The substrate must be so dry that 4180 primer can be absorbed in the surface.

Prior to installation on old tiling and painted surfaces ensure that tiles or paint adhere to surface. Clean surface for grease etc. with 7110 base cleaner.

Absorbent substrates shall be primed with 4180 primer and in wet rooms water tightened according to rules laid down in mira's installation instructions for wet rooms.

## Application

Mix 15 kg powder with 3.90 - 4.50 l clean water to a lump free mortar and the mix is ready for use. For mixing it is recommendable to use a mixing paddle. The powder, water and substrate shall be within the recommended working temperature.

The adhesive can be applied within approx. 6 hours after mixing. Ensure tiles are fixed quickly to avoid formation of skin on adhesive surface.

3110 unifix shall be spread on the substrate with a notched trowel. First spread the adhesive with the smooth side and then draw the notched side through the mortar. Follow the recommendation for correct choice of tooth size for tile type and substrate.

The tiles are pressed/twisted in place in the wet adhesive. Ensure frequently that the backside of the tile is fully covered.

Avoid wind, draught and heat exposure from eg. sunlight and underfloor heating during construction and curing time. Underfloor heating can be started slowly after 7-8 days.

Areas above 36m<sup>2</sup> and areas of a length above 8 m shall normally be divided in areas with expansion joints across the construction.

Dependent on absorbing capacity of tiles and room temperature tiling is ready to be grouted after approx. 10 hours for walls and 18 hours for floors.

## Working environment

The product contains cement. Working environment rules for cement must be followed.

3110 unifix is based on white cement containing a natural low content of chrome(VI) therefore the limiting value of max. 2mg/kg is always kept.

Reference to product safety data sheet.

## Packing

15 kg plastic strengthened paper bags with handle.

## Storage and transportation

Transport and store dry. Product will maintain technical specifications minimum 12 months from production date in unopened packing. Can be used hereafter technical properties may, however, change; e.g. setting time may be extended.

See [www.mira.eu.com](http://www.mira.eu.com) for information on mira levelling compounds, screeds, waterproofing, tile adhesives, tile fixing and grouting