



Adesilex P9 Express

Cement based rapid setting flexible adhesive for interior and exterior use when installing porcelain, ceramic or non moisture sensitive natural stone materials to floors and walls



CLASSIFICATION IN COMPLIANCE WITH EN 12004

Adesilex P9 Express is an improved formula (2), Fast setting (F), Cementitious (C) Non Slip (T) adhesive classified as C2FT Available in Grey or White.

WHERE TO USE

Interior and exterior bonding of ceramic and porcelain tiles and mosaics and natural stone materials that are not sensitive to moisture. Use **Adesilex P9 Express** white for the installation of light coloured natural stone.

Some application examples

- Installation on to suitably prepared timber substrates such as 15 mm overlaid plywood floors.
- Rapid installation or renovation of areas subject to pedestrian traffic.
- Rapid installation or renovation of bathrooms, showers, kitchens, terraces and balconies.
- Installing marble and natural stone materials not sensitive to moisture.
- Suitable for installation over Wet and Electrical underfloor heating systems.

TECHNICAL CHARACTERISTICS

Adesilex P9 Express is a powder composed of a mixture of special cements, selectively graded aggregates, synthetic resins and setting accelerators that develop a high bond strength after only 3 hours after setting. For this reason floor and wall installations can be completed very quickly. Floors can be walked on after only 4 hours and are ready for general traffic after 3 days. When hardened **Adesilex P9 Express** is frost proof and water resistant.

RECOMMENDATIONS

- Anhydrite screeds are to be abraded, vacuumed and primed with **Eco Prim T** diluted 2:1 with water or **Primer G**.
- Plywood overlaid floors must use a minimum 15 mm exterior grade plywood and be fixed at maximum 300 mm centres in all directions to provide a rigid substrate.
- Plaster or gypsum based walls must be primed with **Primer G** before applying cement based adhesives.
- Not suitable for areas subject to flexing or vibration.
- Not suitable for bonding to metal substrates.

Application Procedure

Adesilex P9 Express can be applied to all substrates that are free of oils, grease, waxes and that are sound and free of loose plaster, laitance and crazing. Damp cement screeds can noticeably prolong the setting time of **Adesilex P9 Express**.

Gypsum plasters must be perfectly dry (min 4 weeks), sufficiently hard and free of dust. It is absolutely essential that they are treated with **Primer G** before applying **Adesilex P9 Express**. In areas subject to extreme damp (showers etc) Mapegum WPS should be used to waterproof the substrate.

Preparing the mix

Adesilex P9 Express must be mechanically mixed in a clean vessel with clean water until a smooth lump free paste is obtained. Allow the product to stand for 2-3 minutes before re mixing. The product must be used within 60 minutes.

Adesilex P9 Express 20 kg should be mixed with 4-4.4 litres of clean water for grey and 4.4-4.8 litres for white.

Applying the mix

Adesilex P9 Express is applied to the substrate with a notched trowel to a max 5 mm thick.

Adhesive coverage will be determined by the notch size chosen and should be 65-70% for walls and 100% as far as possible for floors, exterior and wet areas. For tiles exceeding 300x300 mm **Adesilex P9 Express** should also be applied to the backs of the tiles (back-buttering). For very absorbent surfaces or during hot weather the substrate should be dampened to extend the open time of the adhesive.

Laying the Tiles

It is not necessary to wet the tiles before fixing, however if the backs of the tiles appear dusty they should be wiped over with a wet sponge.

Adesilex P9 Express has an open time of 20 minutes in normal temperature and humidity; unfavourable weather conditions (strong sun, drying wind, high temperature), or a highly absorbent substrate will shorten this open time, sometimes to just a few minutes. Should the adhesive form a skin it should be removed and fresh adhesive applied. Tiling fixed with **Adesilex P9 Express** must not be subjected to washout or rain for at least 4 hours and protected from strong sun and frost for at least 24 hours.

Grouting

Tile joints can be grouted after 4 hours with Mapei **Keracolor SF**, **Keracolor Flex** or **Ultracolor Plus**.

If the joints require better chemical resistance or where hygiene is of importance use Mapei **Kerapoxy CQ** or **Kerapoxy Design**.

Expansion joints should be filled with **Mapesil AC**, **Mapesil LM** or **Mapeflex PU21**.

Cleaning

Tools and hands can be cleaned with water, tiled surfaces should be cleaned with a damp cloth; water should only be used in moderate quantities and after a few hours.

CONSUMPTION

2.5-3 kg/m² when using normal size tiles.

PACKAGING

Adesilex P9 Express Grey and White is supplied in 20 kg paper bags.

STORAGE

Adesilex P9 Express should be stored in a dry place, where it will have a maximum shelf life of 12 months in unopened original packaging.

The product complies with the conditions of Annex XVII to Regulation (EC) N° 1907/2006 (REACH), item 47.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Adesilex P9 Express contains cement that when in contact with sweat or other body fluids causes irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to eyes. It is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

N.B.

Whilst we try to ensure that any advice, recommendations or information given in our literature is accurate and correct, we have no control over the circumstances in which our product is used. It is therefore important that the end users satisfy themselves that the product and conditions are suitable for the envisaged application. No warranty can be given or responsibility accepted other than, that the product supplied by us will meet our written specification.

End users should ensure that our latest product data and safety information sheets have been consulted prior to use.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.co.uk

TECHNICAL DATA (typical values)

In compliance with:

– European EN 12004 as C2FTE
– ISO 13007-1 as C2FE

PROPERTIES OF THE PRODUCT

Consistency:	powder
Colour:	available in grey & white
Bulk density (kg/m ³):	1300
Solid contents (%):	100
EMICODE:	EC1 R Plus - very low emission

APPLICATION DATA (at +23°C and 50% R.H.)

Mixing ratio:	20-22 parts of water per 100 parts of Adesilex P9 Express grey; 22-24 parts of water per 100 parts of Adesilex P9 Express white
Consistency of the mix:	paste
Density of the mix (kg/m ³):	1500
pH reaction of the mix:	13
Processability of the mix:	60 minutes
Application temperature:	from +5°C to +40°C
Open drying time (according to EN 1346):	approx. 20 minutes
Tile adjustment possible within:	approx. 15 minutes
Grouting on walls:	after 4 hours
Grouting on floors:	after 4 hours
Set to light foot traffic:	after 4 hours
Full load operation:	after 3 days

FINAL PERFORMANCES

Adhesion (according to EN 1348) (N/mm ²):	
– initial (after 28 days at temp. +23°C, H.R. 50%):	1.4
– after heat ageing:	1.5
– after water immersion:	1.1
– after freeze/thaw cycles:	1.3
Resistance to alkalis:	excellent
Resistance to oils:	excellent (poor for vegetable oils)
Resistance to solvents:	excellent
Resistance to temperature:	from -30°C to +90°C

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.co.uk.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.



This symbol is used to identify Mapei products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gesellschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



Our Commitment To The Environment
MAPEI products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

All relevant references for the product are available upon request and from www.mapei.co.uk



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