

Cementitious adhesives for installing ceramic tiles and natural stone





Cementitious adhesives for installing ceramic tiles and natural stone

Class **C2** ADHESIVES

Normal setting

- Kerabond Plus
- Adesilex P9
- Adesilex P10
- Keraflex
- Ultralite Flex



Rapid setting

- Adesilex P4

Class **S1** ADHESIVES

Normal setting

- Keraflex Easy S1
- Keraflex Maxi S1 Zero
- Keraflex Maxi S1
- Ultralite S1



Rapid setting

- Granirapid
- Keraquick S1
- Ultralite S1 Quick

Class **S2** ADHESIVES

Normal setting

- Ultralite S2
- Kerabond + Isolastic
- Kerabond Plus + Isolastic



Rapid setting

- Ultralite S2 Quick
- Elastorapid
- Keraquick S1 + Latex Plus

The figures indicated are for reference purposes only. For further information consult the specific Technical Data Sheet for each product, available on our website www.mapei.com



High-performance cementitious adhesive with extended open time for ceramic tiles and natural stone.

- Classified C2E according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- For bonding all types of ceramic tiles and natural stone not sensitive to moisture.
- Recommended for bonding medium size ceramic and natural stone tiles.
- By mixing **Kerabond Plus** with **Isolastic** instead of water, its characteristics are improved to such a degree that it meets the requirements of class C2ES2 adhesive (high performance, highly deformable cementitious adhesive with extended open time) according to EN 12004 and ISO 13007-1 standards.





High-performance non-slip cementitious adhesive with extended open time for ceramic tiles and natural stone.

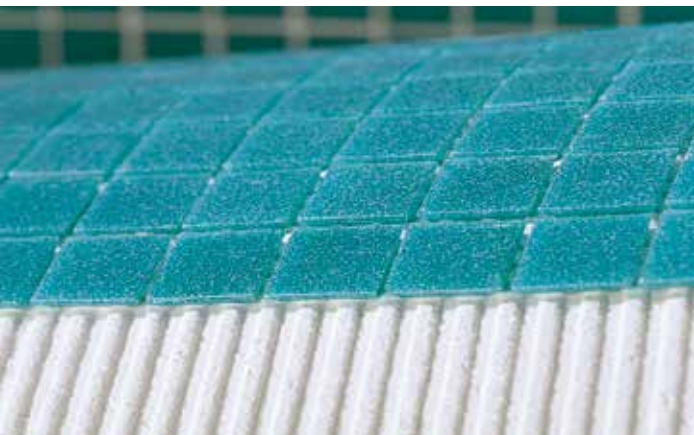
- Classified C2TE according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Excellent workability.
- Recommended for overlaying existing flooring and bonding on heated cementitious substrates.

N.B. the white version has very high white balance.

NORMAL-SETTING adhesives



Adesilex P10



NORMAL-SETTING adhesives

High-performance, non-slip white cementitious adhesive with extended open time for glass mosaics, ceramic tiles and marble.

- Classified C2TE according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Recommended for bonding glass mosaics.
- With a special white balance that exalts and highlights the tones of coloured glass mosaics.
- By mixing **Adesilex P10** with **Isolastic** instead of water, its characteristics are improved to such a degree that it meets the requirements of class C2ES1 adhesive (high performance, deformable cementitious adhesive with extended open time) according to EN 12004 and ISO 13007-1 standards.



Keraflex



High-performance non-slip cementitious adhesive with extended open time for ceramic tiles and natural stone.

- Classified C2TE according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Excellent workability.
- Recommended for bonding medium/large size ceramic and natural stone tiles, including by overlaying, on heated substrates, deformable substrates such as plasterboard, cement-fibre panels and waterproofing membranes from the **Mapelastic** and **Mapegum WPS** range.

NORMAL-SETTING adhesives



Ultralite Flex



NORMAL-SETTING adhesives

One-component, high-performance, non-slip, lightweight cementitious adhesive with moderate deformability and extended open time for ceramic tiles, natural stone and slim porcelain tiles.

- Classified C2TE according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Thanks to Low Dust technology the formation of dust during mixing is drastically reduced.
- Easier to handle and apply, less tiring for tilers.
- Excellent wetting of the back of tiles.
- Up to 55% higher yield compared with other adhesives with the same classification.
- Contains more than 20% of recycled materials.
- High white balance.
- The adhesive recommended for routine work and for bonding all types of tile.



Adesilex P4



High-performance, self-buttering, rapid-setting grey cementitious adhesive for ceramic tiles and natural stone.

- Classified C2F according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- May also be used for smoothing and levelling internal and external surfaces.
- Smoothing and levelling in layers from 3 to 20 mm thick.





For tiles with lots of **Class...**
use **Class S1** and **S2**

QUALITÀ
CERTIFICATA
QUALITÀ

Don't risk it;
certified adhesives.

Mapei offers a vast range of **Class S1** and **S2** certified adhesives for all your project needs. Amongst the adhesives that meet the requirements for **Class S1** and **S2**, certified according to **EN 12004** standards, **Mapei** suggests **Keraflex Maxi S1 Ultra Bianco**, **Keraflex Maxi S1 Zero**, **Ultralite S1**, and **Ultralite S2**. And also: **Ultralite S1 Quick**, **Ultralite S2 Quick**, **Keraquick S1**, **Granirapid** and **Elastorapid**. Don't risk it; choose the most suitable adhesive for tiles with lots of class.

Keraflex Easy S1

New!



NORMAL-SETTING adhesives

Easy-to-apply, high-performance, deformable cementitious adhesive with extended open time and high wetting capacity for ceramic tiles and natural stone.

- Classified C2ES1 according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Specific for large areas and large size tiles, making it particularly suitable for floors in commercial, industrial and civil areas.



Keraflex Maxi S1 Zero



High-performance, non-slip, highly-deformable, grey cementitious adhesive with extended open time, specific for large size ceramic tiles and natural stone.

- Classified C2TES1 according to EN 12004 and ISO 13007-1 standards.
- Easy to spread.
- Highly thixotropic.
- May be applied in thick layers, including on heavy tiles, without slipping.
- Thanks to Low Dust technology the formation of dust during mixing is drastically reduced.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- The first adhesive with zero climate-change effect: residual greenhouse gas emissions, impossible to eliminate from a technical point of view, have been eliminated through certified offsetting.
- For interior and exterior use in layers up to 15 mm thick.



MINISTERO DELL'AMBIENTE
DIREZIONE GENERALE DEL TERRITORIO E DEL PAESAGGIO

Italian national programme to assess the environmental footprint. Analysis of the carbon footprint in the life cycle of hydraulic binders-based adhesives for laying ceramic tiles





High-performance, non-slip, deformable, white cementitious adhesive with extended open time for ceramic tiles and natural stone.

- Classified C2TES1 according to EN 12004 and ISO 13007-1 standards.
- High white balance.
- Excellent workability.
- Highly thixotropic.
- May be applied in thick layers, including on heavy tiles, without slipping.
- Thanks to Low Dust technology the formation of dust during mixing is drastically reduced.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- For interior and exterior use in layers up to 15 mm thick.



Ultralite S1



One-component, high-performance, non-slip, deformable, lightweight cementitious adhesive with extended open time for ceramic tiles, natural stone and slim porcelain tiles.

- Classified C2TES1 according to EN 12004 and ISO 13007-1 standards.
- Thanks to Low Dust technology the formation of dust during mixing is drastically reduced.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Easier to handle and apply, less tiring for tilers.
- Excellent wetting of the back of tiles.
- Up to 60% higher yield compared with other adhesives with the same classification.
- Contains more than 20% of recycled materials.
- Suitable for bonding glass mosaics in swimming pools.

NORMAL-SETTING adhesives



Granirapid



Two-component, high-performance, deformable, rapid-setting and hydrating cementitious adhesive for ceramic tiles and natural stone.

- Classified C2FS1 according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Suitable for bonding on internal and external surfaces in areas exposed to heavy traffic.
- Recommended for quick repair work and for areas that need to be ready for use as soon as possible (supermarkets, industry, hospitals, airports...).
- Rapid bonding of large size tiles, including overlaying on existing ceramic floors and heated substrates.
- The ideal solution for natural stone sensitive to moisture and agglomerates.

RAPID-SETTING adhesives



Keraquick S1



High-performance, rapid-setting, deformable, non-slip cementitious adhesive for ceramic tiles and natural stone.

- Classified C2FTS1 according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Suitable for repairing floors in areas exposed to intense traffic or that need to be ready for use quickly.
- Rapid bonding of medium size tiles, including by overlaying.
- Ideal for natural stone.
- By mixing **Keraquick S1** with **Latex Plus** its deformability properties are improved to such a degree that it meets the requirements of class C2FS2 adhesive (high performance, rapid, highly deformable cementitious adhesive) according to EN 12004 and ISO 13007-1 standards.



Ultralite S1 Quick



One-component, high-performance, rapid-setting and hydrating, non-slip, deformable, lightweight cementitious adhesive for ceramic tiles, natural stone and thin porcelain tiles.

- Classified C2FTS1 according to EN 12004 and ISO 13007-1 standards.
- Easier to handle and apply, less tiring for tilers.
- Excellent wetting of the back of tiles.
- Up to 60% higher yield compared with other adhesives with the same classification.
- Contains more than 20% of recycled materials.
- Ideal for laying tiles in areas that need to be ready for use quickly or for laying in cold weather.
- Specific for bonding thin porcelain tiles, particularly on non-absorbent substrates.

RAPID-SETTING adhesives



Ultralite S2



One-component, high-performance, highly deformable, lightweight cementitious adhesive with extended open time for ceramic tiles, natural stone and thin porcelain tiles.

- Classified C2ES2 according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Easier to handle and apply, less tiring for tilers.
- Excellent wetting of the back of tiles.
- Contains more than 20% of recycled materials.
- 80% higher yield compared with two-component adhesives with the same classification.
- No need to add latex, just mix with water.
- Ideal for the tiled thermal insulation system **Mapetherm Tile System**.

NORMAL-SETTING adhesives

Ultralite
Technology



Isolastic



NORMAL-SETTING adhesives

Latex additive mixed with KERABOND, KERABOND PLUS and ADESILEX P10.

- **Kerabond** and **Kerabond Plus** mixed with **Isolastic** are transformed into high-performance, highly deformable adhesives with extended open time (C2E/S2).
- **Adesilex P10** mixed with **Isolastic** (diluted 1:1 with water) is transformed into a high-performance, highly deformable adhesive with extended open time (C2E/S1).



Ultralite S2 Quick



One-component, high-performance, highly-deformable, lightweight, rapid-setting and hydrating cementitious adhesive with extended open time for ceramic tiles and natural stone; ideal for laying thin porcelain tiles.

- Classified C2FES2 according to EN 12004 and ISO 13007-1 standards.
- Very low emission level of volatile organic compounds, classified EMICODE EC1 R Plus by GEV.
- Easier to handle and apply, less tiring for tilers.
- Excellent wetting of the back of tiles.
- Contains more than 20% of recycled materials.
- 80% higher yield compared with two-component adhesives with the same classification.
- No need to add latex, just mix with water.
- Ideal for the tiled thermal insulation system **Mapetherm Tile System**.
- Recommended for overlaying with large size porcelain tiles.



Elastorapid



Two-component, high-performance, highly-deformable, rapid-setting and hydrating, non-slip cementitious adhesive with extended open time for ceramic tiles and natural stone.

- Classified C2FTES2 according to EN 12004 and ISO 13007-1 standards.
- Recommended for quick repair work in areas that need to be ready for use as soon as possible (public areas, supermarkets, airports...), including in hot weather.
- Laying ceramic and natural stone, including large sizes, on façades, balconies, terraces and paved roofs exposed to direct sunlight and temperature variations.
- Bonding tiles in areas exposed to high mechanical stress and vibrations (railway underpasses, underground railway platforms, etc.).
- Laying natural stone sensitive to staining.

RAPID-SETTING adhesives



Latex Plus



Latex admixture mixed with KERAQUICK.

- **Keraquick S1** mixed with **Latex Plus** is transformed into a high-performance, highly deformable, rapid-setting adhesive (C2F/S2).



RAPID-SETTING adhesives



● **Technical documentation**

From the technical area menu you can view the technical documentation divided per product lines and type of document.

HEADQUARTERS
MAPEI SpA
Via Cafiero, 22 - 20158 Milan
Tel. +39-02-37673.1
Fax +39-02-37673.214
Internet: www.mapei.com
E-mail: mapei@mapei.it

