



PMO 511

Superior Flexible Adhesive

- Developed for modular constructions & offsite applications
- Suitable for varieties of tiles and stones
- Suitable for super large format panels
- Internal and External use



DESCRIPTION

ARDEX PMO 511 is cement-based adhesive, contains increased amount of special polymer, special cements, selective filler, polymer and additives, suits fixing tile on partition wall system, e.g. gypsum board, cement-fibre board, insulation board, also suits sustained high temperature areas, such as floor heating and SPA.

FOR FIXING

ARDEX PMO 511 can be used for prefab construction, commercial and residential, internal and external, wet or dry areas, eg. roof, bathroom, terrace and balcony.

TO (SUBSTRATES)

Concrete, renders, screeds, also for gypsum board, cement-fibre board and insulation board.

Suitable for fixing tiles directly to ARDEX cement based polymer modified waterproofing membrane.

ARDEX Primer is needed for high absorption substrates.

Please contact ARDEX technical service for further information.

SUBSTRATE PREPARATION

The surface being adhered to must be clean, firm and free of dust, oil, grease, curing compounds, release agents and other barrier materials, as well as being strong enough to support the weight of the tiles being fixed.

Ensure that the background has adequate drying time, allow concrete to cure for at least 6 weeks and cement sand render and screeds at least 14 days prior to tiling.

ARDEX PMO 511 is usable for dry or moist surface, but moisture sensitive materials must be dry and remain dry after tiling.

MIXING

Add ARDEX PMO 511 powder to clear water in a clean container whilst stirring and mixed thoroughly to give a lump free easily worked mortar of a thick creamy consistency

Allow to stand for 3 minutes, restir the mixture thoroughly again and the adhesive is ready for use.

Approx..6.37 liters water is needed to mix 25kg ARDEX PMO 511.

Please note the water mixing ratio mentioned above is measured with ARDEX standard mixer in lab conditions. Different mixer might lead to slight different water mixing ratio.

Mixed mortar must be used immediately; The open time the mixed mortar is approximately 2 hours at 23°C.

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NOTE

Appropriate amount of adhesive should be mixed according to size of construction during working time. The working time and strength development will be retarded at lower temperatures and accelerated at high. Do not apply at temperature below 10°C or higher than 35°C.

APPLICATION

Apply the mortar to the substrate and comb through with a notch trowel, then press firmly into the freshly combed mortar bed.

3mm x 3mm notch towel for mosaic and flat back tiles for wall, 6mm x 6mm notch towel for common wall tiles, 10mm x 10mm notch towel for floor and big size ceramic tiles.

Technical data according to ARDEX quality standard

Dry powder consumption	Approx. 1.18kg/mm/m ²
Fresh mortar density approx.	Approx. 1.48kg/litre
Pot life	≥120minute(s)

Classification	C2TES1	According to ISO13007/EN2004/ JC/T547
	A118.15	According to ANSI A118.15

Application properties

Application temperature	10-35 °C
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Grouting on the wall	24hour(s)
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Tiles with ribbed or keyed back profiles should also be buttered to ensure complete coverage.

ARDEX PMO 511 has an open time of 30 minutes, and 120 minutes pot life. Please use the mortar right after mixing and finish the tile adhesion in open time. Please be aware of site conditions when considering these times and only spread enough adhesive so that the tiles can be fixed while the mortar is still wet.

GROUTING

Tiles can be grouted after 24 hours (at 23°C).

Appropriate grout products from ARDEX are recommended.

For chemical corrosion resistance, water impermeability, cleaning performance, ARDEX epoxy grout products are recommended.



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Packaging	25kg/bag
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Storage	Can be stored in dry rooms for approx. 12 months in the original sealed container.
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SAFETY DATA

ARDEX PMO 511 is considered non-hazardous in normal usage. However, by containing Portland cement, quartz sand and other alkaline reacted materials, skin irritation may be caused for long term contact. Avoid breathing in powder. Avoid contact of skin and eye. Wear appropriate protection gear such as face mask, gloves, and safety glasses. In case of skin and eye contact, wash thoroughly with water, also consult a doctor. For the case of powder breathing in, move to place with good ventilation, wash mouth properly, consult a doctor for any discomfort. This product is safe for health and environment.

For further safety & handling information, please consult the Material Safety Data Sheet (MSDS).

Application advice

Technical hotline:

Phone: +86 21

64161800

Mail: info@ardexchina.com

We guarantee the flawless quality of our products. Our processing recommendations are based on tests and practical experience; however, they can only be general information without any guarantee of properties, as we have no influence on the building site conditions and the execution of the work. Country-specific regulations based on regional standards, building regulations, processing or industry guidelines may lead to specific processing recommendations.