



pan**DOMO**[®] MW

TerrazzoMicro binder system

To produce a fast track, bonded terrazzo finish

Walkable after 8 hours

Rapid hardening – Can be ground after 24 hours

For layer thicknesses of 11mm

Low shrinkage

High compressive strength



Reg. No. 37344

Manufacturer with
certified quality system
as per DIN EN ISO
9001

ARDEX Australia Pty Ltd
20 Powers Road, Seven Hills,
NSW 2147

Ph: 1300 788 780

Fax: 1300 780 102

www.ardexaustralia.com

www.pandomo.com.au

techinfo@ardexaustralia.com

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Areas of application:

Internal use only.

Used for creating a fast track, bonded, rapid hardening, decorative flooring with a fine Terrazzo finish.

Designed to be ground to give the final appearance.

Description:

White powder with special cements and selected fillers. When mixed with water and the fine graded aggregate PANDOMO TG fine, the result is a workable, mortar which is workable for approx. 30 minutes, less in hotter periods, more in colder ones. It can be walked on after approximately 8 hours.

Substrate preparation:

PANDOMO TerrazzoMicro is designed for installation over dry, internal, crack free concrete subfloors which are firm and free from dust.

For application over concrete subfloors prone to future cracking or suitable under floor heating systems, refer to current ARDEX A38 datasheet, available at www.ardexaustralia.com or by contacting Ardex Australia. Bonded systems in these situations will experience cracking through movement.

To pre level or raise the floor height to 15mm before the finish is applied, a coat of TerrazzoMicro is recommended. After this layer is dry, grind with 40 grid before the final layer will be applied.

The substrate should be shot-blasted or diamond ground to remove impurities, parting agents, loose upper zones and binding agent concentrations.

The substrate must first be primed with ARDEX Abapoxy and broadcast with Pandomo HG sand. This primer ensures the ideal adhesion to the substrate and prevents air holes from rising air bubbles. On the following day, excess sand must be swept or vacuumed away.

Use ARDEX P51, diluted 1:2 with water, as a primer over leveling coat of TerrazzoMicro.

Elastic edge strips should be placed against adjacent structural elements, and can be sealed later, including permanently elastic sealing.

The substructure must be permanently dry.

If in doubt, prepare a trial surface.

Application:

Use 25 kg (or the respective multiples) each of PANDOMO TerrazzoMicro aggregate and PANDOMO MW TerrazzoMicro binder matrix and approx. 4.5 - 5.4 l of water to prepare the mixture. The amount of water to be used may vary depending on the aggregate moisture level and/or stone type.

First of all, put PANDOMO TerrazzoMicro aggregate into the mixer while turned off to just cover the mixer bottom. Then fill PANDOMO MW TerrazzoMicro binder matrix into the mixer. Do not overfill mixer.

After having added the binder, start the mixer and add the required amount of water without delay.

After an approximate mixing time of 1.5 minutes, allow the mixture to stand for 1 minute. After expiration of this period, continue to mix for approx. another 1.5 minutes to form a lump-free, liquid mortar.

The following PANDOMO aggregate is available:

Winter White 1– 3 mm
Ebony Black 1– 3 mm
Grey Dove 1– 3 mm
Botany View 1– 3 mm
Warm Reef 1– 3 mm
Blue Gems 1– 3 mm

The minimum application thickness of PANDOMO TerrazzoMicro Binder system should be 11 mm.

Load bearing properties are achieved after one day.

Do not add any cement or screed additives, etc. to the mix.

The working time of PANDOMO TerrazzoMicro Binder system is approx. 30 minutes.

Higher temperatures accelerate hardening; lower temperatures retard the rate of strength development.

Do not work the above materials at temperatures below + 10°C.

Application of underfloor heating:

If PANDOMO TerrazzoMicro is used on a piped, water-based floor heating system, the curing time can be shortened. 3 days after installation of the PANDOMO A38 sub screed the preheating should start at a temperature of +25 °C. The temperature of +25 °C should be maintained for 3 days. Then the maximum temperature should be maintained for 4 days. Draughts should be avoided during the curing and conditioning processes.

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Expansion joints:

Cracks caused by dynamic processes inside the building are transferred to the surface.

Expansion joints within the substrate must be carried through the finish. The construction supervisor may instruct to add additional expansion joints.

In accordance with normal practice, perimeter expansion joints must be enforced and expansion joints can be sealed in a way as to remain permanently elastic.

Expansion joints are also recommended in change in flooring configuration. (e.g. large room flowing into smaller hallway)

A number of special profiles are available for expansion joints in different designs (even for coloured joints).

Subsequent treatment:

The PANDOMO TerrazzoMicro can be walked on after 8 hours and can be ground after 24 hours (+20°C).

To grind the floor, 3 head grinding machines are recommended to produce a wet grind at 200grit. This can be less grit to achieve a coarser finish for enhanced slip rating.

Important:

PANDOMO TerrazzoMicro Binder system cannot be used in permanently wet areas and in exterior locations.

PANDOMO TerrazzoMicro Binder system may be coloured with ARDEX approved powder pigments. To fill any surface pores PANDOMO MW (white) can be used respectively.

After the filling of the pores please cover the floor for approx. 16 hours with a plastic sheet.

For cleaning, sealing and maintenance, only ARDEX approved systems should be used.

For further working instructions for PANDOMO TerrazzoMicro in case of composite structures, on separating or insulating layers, refer to the PANDOMO Code of practice for TerrazzoMicro (available on demand).

Note:

A sufficiently large sample or trial area should be

completed for approval by the client. This should be accompanied by the client understanding letter.

Contains cement. Alkaline when mixed with water, so protect skin and eyes. In case of eye contact consult a doctor for advice.

Consult the relevant ARDEX Product Safety Data Sheet for detailed advice.

Physiologically and ecologically safe when in a hardened state.

Giscode ZP1 = product contains cement, low chromate content.

Technical data according to ARDEX quality standards:

Mixing ratio: 25 kg PANDOMO MW/MB TerrazzoMicro Binder system and 25 kg PANDOMO TG Fine grade aggregate to be mixed with 4.5 - 5.4 l water, the water demand can vary slightly depending on the grading

Bulk density: approx. 1.2 kg/l

Fresh mortar weight: approx. 2.2 kg/l

Material requirement: approx. 10 kg per m² and cm depth

Working time*: approx. 30 min

Walkability: approx. 8 h

Drying time: approx. 24 hours, if necessary to prevent floor from drying too fast cover the floor with a plastic foil

Compressive strength:
after 1 day approx. 30 N/mm²
after 7 days approx. 40 N/mm²
after 28 days approx. 45 N/mm²

Tensile bending strength:
after 1 day approx. 4.0 N/mm²
after 7 days approx. 4.5 N/mm²
after 28 days approx. 5.0 N/mm²

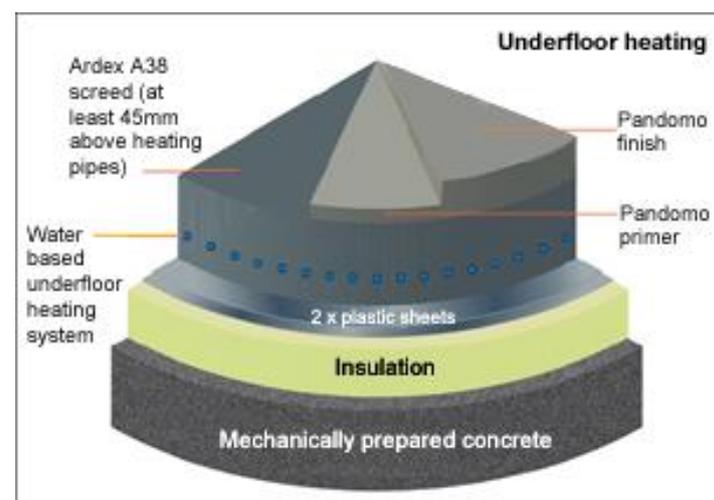
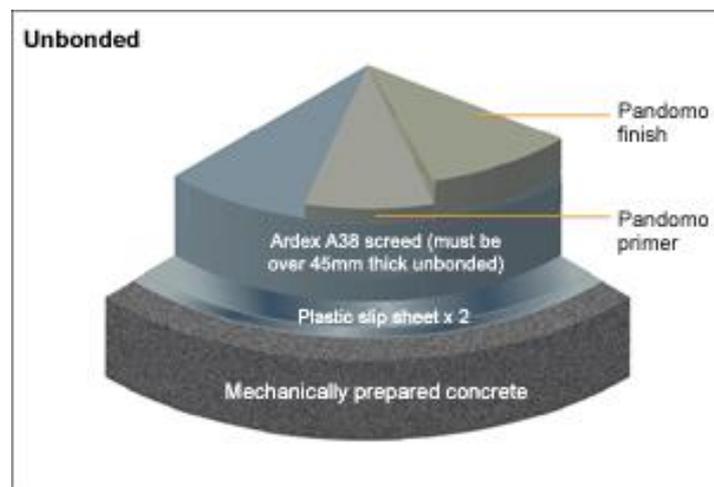
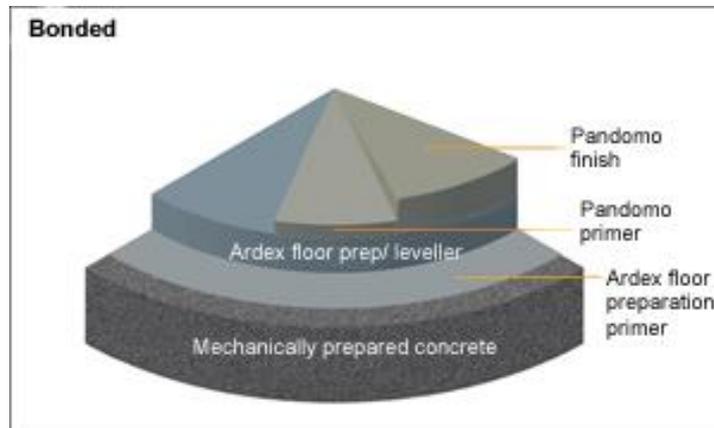
Fire rating: A1 acc. EN 13501

Abrasion resistance: A9 acc. EN 13892 Part 3
Suited for floor heating: yes

Packaging: bags with 25 kg net

Storage: can be stored for approx. 6 months in a dry room in original sealed packaging

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We assume the warranty for the perfect quality of our products. Our handling recommendations are based on trials and practical experience; they can, however, only be regarded as general advice without a quality warranty, as we have no influence on work site conditions and the execution of the work.

Country specific recommendations, depending on local standards, codes of practice, building regulations or industry guidelines, may effect specific installation recommendations. GB 251 08/2010