

# Microcement Mixing Sheet

Based on 10msq

Primer	Pro Link	For non-absorbent surfaces, applied by roller	1L
	Atomo	For absorbent surfaces, applied by roller	1L
Base Coat	Base	Applied by trowel or float	25KG
	Mesh		
Decorative Coat	Deco A + Pigment	Applied by trowel	15KG
	Deco B		5KG
Sealer	Link A	Applied by mohair or short pile roller	0.10L
	Link B		0.05L
Sealant	Top A	Matt/Satin/Gloss, applied by foam roller	1.25L
	Top B		0.375L

Base + Water	25kg Base + 5-6L
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Link (A + B) x 4 = Water	0.1L A + 0.05L B + 0.6L Water
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Top (A + B) / 10 = Water	1.25L A + 0.375L B + 0.163L Water
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When splitting products, use the following ratios:

Deco A : B                      3 : 1                      by weight

Link A : B                        2 : 1                      by weight/volume

Top A : B                        3.33 : 1                      by weight/volume

If you have any further questions call or email and one of our friendly team members will be happy to guide you through the process.

# Microcement Mixing Sheet

Based on 0.5msq

Primer	Atomo	For absorbent surfaces, applied by roller	100ml
Base Coat	Base	Applied by trowel or float	1.5KG
	Mesh		
Decorative Coat	Deco A + Pigment	Applied by trowel	1KG
	Deco B		300g
Sealer	Link A	Applied by mohair or short pile roller	50ml
	Link B		25ml
Sealant	Top A	Matt/Satin/Gloss, applied by foam roller	130ml
	Top B		40ml

Base + Water	1.5kg Base + 300 – 360ml Water
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Link (A + B) x 4 = Water	50ml A + 25ml B + 300ml Water
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Top (A + B) / 10 = Water	130ml A + 40ml B + 17ml Water
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When splitting products, use the following ratios:

Deco A : B	3 : 1	by weight
Link A : B	2 : 1	by weight/volume
Top A : B	3.33 : 1	by weight/volume

If you have any further questions call or email and one of our friendly team members will be happy to guide you through the process.

# Continuo Microcement System by Impera Italia

Polished concrete decorative coating for floors, ceilings and walls

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### 1 Description

*Continuo* is a multi-layer coating system made up of different mineral- (cement) and resin-based products for a contemporary look.

*Continuo* creates a seamless and waterproof modern look that can be created on most solid surfaces, even on top of underfloor heating. The system has an extremely low VOC-level, is easy to maintain and even easier to repair.

### 2 Uses

*Continuo* can be applied on most surfaces, from screed to concrete, ceramic, terracotta, natural stone or any other substrate that does not move. The system is ideal for re-doing floors that would be difficult to repair or remove, as it's less than 3.5 mm thick and weighs less than 3 kg/m<sup>2</sup> and therefore it can be applied in areas that would not be able to bear the weight of stone, cement or concrete panels or tiles.

A list of the surfaces the *Continuo microcement system* can be applied on:

- Concrete,
- Screed (make sure it's completely dry before coating it with microcement),
- Mosaics, ceramics or porcelain tiles,
- Epoxy or polyurethane coatings,
- Stones (acrylic or natural),
- Most mineral based finishes provided they are absorbent,
- Mortars with binders that were water-soluble (not solvent-based),
- Organic or mineral-based decorative finishes (including but not limited to lime, acrylic or resinous Venetian plasters, polished or marble plasters) and finally,
- Gypsum plaster (multi-finish) and plasterboards (including water-resistant boards like aqua-panels or marine plywood)

*Continuo* **should not** be directly applied on horizontal or vertical surfaces that are not stable or where a large degree of thermal or mechanical movement is expected, including but not limited to settlement cracks.

The following surfaces therefore would need to be either dried, removed or reinforced before applying *Continuo*:

- Parquet and linoleum,
- Wooden floors,
- Painted and non-painted metal surfaces,
- Glass and glass-block surfaces or
- Damp surfaces or where rising damp is present

*Continuo* is **not** an industrial coating in a sense that it should not be specified for warehouses, factories or areas where lorries and fork lifts are loading but can be used for any domestic and most commercial projects where traffic is up to

medium level. For commercial projects you can and should apply more coats of the resin protector, *Continuo Top* to ensure the right level of durability.

### 3 System components

The *Continuo microcement system* consists of 5 products, which despite being different in nature and function, are fundamental for creating a robust coating with the right look. The components were created to work in close conjunction together to ensure a lasting, durable finish – if any of the parts are changed or used incorrectly then there is a high chance that the coating will fail or quickly deteriorate under use.

*Atomo* is a solvent free, water-soluble consolidating and bonding agent or primer with polymers that ensure its high penetrating power. For non-absorptive surfaces make sure to use *Pro Link* (see the respective datasheet for more information)

*Continuo Base* is a single component, cement-based powder that should be used to level and reinforce the substrate. Once *Continuo Base* is mixed with water it can be applied on 1.5 to 2.5 mm thickness on two coats, with mesh embedded between coats.

*Continuo Base* should always be applied with the right fibre-glass mesh with anti-alkali treatment that has a weight of more than 140 grams/m<sup>2</sup>. The correct mesh is included in every Floor and Wall kit.

*Continuo Deco* is a decorative coating that consists of two components, a fine putty with organic components that can be coloured, and a fine, mineral-based powder.

This topcoat, once it fully hardens will be durable enough for commercial or domestic walls and ceilings but can also be a part of flooring systems with *Continuo Base* where traffic is not more than medium intensity.

The component A of *Continuo Deco* needs to be mixed with component B as it is (with no additional water), in a 3 to 1 ratio where the greater amount is component A (the putty).

*Continuo Link* is a bi-component, transparent, water-soluble epoxy resin with high penetrating and consolidating power, designed to saturate and fix surfaces covered with *Continuo Deco*. Link A and B needs to be mixed thoroughly with water and once applied, it will also deepen the colour of Deco to its full richness and complexity. This must be considered when creating samples as the *Deco's* colour will always get darker when *Link* is applied on top. Although this resin has exceptional UV resistance and yellows very little, under strong direct light colours will slightly deepen over time.

*Continuo Link* is recommended for interiors only as the colour change will be more visible outdoors.

*Continuo Top* is a transparent, two-component, acrylic-urethane, non-yellowing clear resin that's available in a satin, glossy and matt finish.

*Continuo Top* Component A must be thoroughly mixed with *Continuo Top* Component B, a new-generation aliphatic poly-isocyanate hardener and water.

The mixing of the 2 components with water should be done manually and in situ, straight before use as it hardens quickly and doesn't stay 'alive' longer than for about an hour. For the best possible consistency, it should be applied within 30 minutes of mixing.

### 4 Application

Please make sure to follow the application method and mixing described here to ensure the right look and durability. Also, for Health and Safety reasons always make sure to use glasses, gloves, knee guards and other protective clothing

that covers the full body (for further information please read the Safety Sheets). Apply only between 5 to 35 degrees Celsius, preferably not in direct sunlight and try to ensure good ventilation

### *Atomo*

Tools: Short pile or mohair roller.

Mixing ratio: 300 ml to 1 litre (half pint to 2 pints) of water, based on surface absorption. For highly absorbent surfaces dilute it more and apply more coats (2 or 3).

Mixing time: instant, by hand

Working life: Up to a month

Drying time: 4 to 6 hours

For non-absorbent surfaces (eg tiles) use *Pro Link*.

### *Continuo Base*

Tools: By stainless steel or plastic trowel, on 2 coats, with a mesh embedded in the first coat.

Mixing ratio: 25 kgs of *Continuo Base* + 5 litres of clean water (5:1 ratio, where 5 is the base and 1 is water).

Preparation: Pour the water into a sufficiently large and clean container and slowly add *Continuo Base* while mixing it with a paddle mixer.

Mixing time: Three minutes under normal weather conditions (5 to 35 C). The mix must be of a uniform consistency, with no parts left unmixed.

Large quantities (greater than 5kg) should only be mixed by a paddle mixer and never by hand.

Pot life: Use the mix within 60 minutes and do not add more water to extend pot life.

Drying time: 3-5 hours after first coat, 3-5 hours again for the second coat, before applying *Deco*.

### *Continuo Deco*

Tools: By stainless steel or plastic trowel.

Mix ratio by weight: 15 Kg of *Continuo Deco* Component A + 5 Kg of *Continuo Deco* Component B (3:1 where the greater amount is Component A)

Preparation: Mix only immediately before applying the product. Add the powder component gradually, with a paddle mixer (it should not be done by hand).

Mixing time: Approximately three minutes. The mix must be a uniform putty with no dry bits.

Mix pot life: about 120 minutes. This should not be extended by adding more water to the mix.

Thinning: In certain conditions, like extreme heat (25-35 C) you can add 5% of water (in case of a 15Kg Component A and 5Kg Component B 1 litre of water) to the mix.

Tinting: In case of manual colouring make sure to mix *Continuo Deco* Component A thoroughly with the pigment of your choice before adding Component B. Impera Italia will take care of this if you choose any of our colours with a free pre-mix service.

We recommend completing every job with the same batch to avoid slight colour differences. It's also recommended to mix the whole amount to be used together and if that's not possible, do not apply different batches to surfaces adjacent to each other or alternatively, try to make use of corners or expansion joints. It is also recommended to use beading for a clean, uniform look or when putting the coating on steps or external edges.

Before applying the second coat of *Continuo Deco* you can lightly sand and clean the surface for a more uniform look.

Drying time: 3-5 hours after first coat the second coat can be applied. The second Deco coat needs to be completely dry (12+ hours) and clean before *Deco Link* can be applied.

### *Continuo Link*

Tools: Should be applied by short pile or mohair roller with low absorption.

Mix ratio by weight: 100 ml (millilitre) of component A + 50 ml of component B with 600 g of water (mix by weight, 2 parts of component A + 1 part of component B and then add 0.6L of water)

Preparation: Make sure that both A and B are free from any sedimentation and contamination. Pour Link A and B of the specified weight in a container and mix it manually for about a minute then add water and mix it for another minute.

Pot life: Max 60 minutes; do not use the mix or try to dilute it after this.

Drying time: 6+ hours, overnight.

Apply link with varying roller movement to ensure that you don't leave any lines that will be seen on the final finish.

*Continuo Top* (Matt, satin or gloss)

Tools: Apply by short pile or mohair roller.

Mix ratio by weight: 1250ml of component A +375 ml of component B +163 grams of water.

Preparation: Make sure to mix the two components thoroughly, for at least 60 seconds. It can be mixed manually or by a small paddle mixer, with medium speed.

Pot life: Max 60 minutes and it should not be used after this. Do not try to add more water to increase pot life or coverage.

Apply Top with varying roller movement to ensure that you don't leave any marks with the application that will be seen on the final finish.

**The Continuo Floor and Wall system can handle light traffic in about 24 hours after Top has been applied and becomes fully usable in 5 to 7 days. Maximum hardness is achieved in 21 days and it will have a high resistance against scratching, and a good chemical resistance, with the full hardness between hard wood and stone.**

For further information call 03330124396 or email us at [sales@imperaitalia.com](mailto:sales@imperaitalia.com)

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