

Product Data Sheet

Version FIN-084

MATRICK 
CEMENT
Specialist Surface Materials

Microcement Finish

Product Description:

Microcement Finish is a single component trowel applied coating system formulated from a carefully selected pre measured blend of cement, aggregates, synthetic resins, editors and inorganic dyes. Packaged and sealed in water tight containers of 20Kgs Nett weight. Microcement Finish powder can be mixed in its entirety or proportionate quantities can be decanted and smaller amounts mixed.

Designed to replicate polished concrete and waxed floors this product is a finishing component. We recommend using a complete system including: Microcement Base/ Microcement Medium / Matrick cement Pre Seal and Matrick cement PU sealer to provide a decorative coating system. Microcement Finish can be used as a finished option (*must be sealed with pre seal and pu sealer*) leaving a smooth finish if desired.

Material Features:

- ❖ Ultra Violet stable.
- ❖ High mechanical strength.
- ❖ High abrasion resistance.
- ❖ Proofing to grease, water and oils.
- ❖ Mineral fillers.
- ❖ Organic resins.
- ❖ High tensile strength.

Technical Data:

Product type:
Microcement

Colour appearance:
White powder

Bulk Density:
Powdered- 1,300kg/m³
Paste- 2.050kg/m³
Hardened- 2.000kg/m³

User time:
60 minutes once mixed

Max aggregate size:
100 microns

Mechanical Strength
(EN 1015-11):

Compression 28 days:
38N/mm²

Flexion @ 28 days:
10N/mm²

Adhesion to concrete @28 days:
>2N/mm²

Application thickness:
0.5 mm per layer

Reaction to fire:
(EN 13501-1): A1

Microcement Finish instructions:

1. Surface Preparation;

- Ensure the surface is dry and contaminant free. Abrading the surface is recommended to achieve a mechanical bond. We recommend using our *SURFACE SEAL* before application. Between Microcement Finish layers *PRE SEAL* can be used to slow down the drying (in warmer conditions).

2. Mixing Preparation;

- In a clean mixing vessel containing the proportionate quantity of water and pigment, slowly add the *MICROCEMENT Finish* powder.
- Mix the material using a mechanical stirrer on a slow speed (300rpm-500rpm) until a homogenous state is achieved.
- Ensure a lump free mixture is achieved.
- Let the mixture stand for 10 minutes then remix for an additional two minutes.

3. Application;

- Apply one/two coats of *MICROCEMENT Finish* depending on the desired aesthetic finish.
- Pour small amounts of the mixed material directly onto the floor. Spread the material using a flexible steel trowel at the correct thickness.
- Once the entire surface is dry remove any blemishes by means of mechanical sanding. Recommended sanding discs of 200grit-400grit leave a smooth blemish free surface ready to apply the next *MICROCEMENT* layer or Pre sealer.

Special Precautions:

- This product contains cement. The use of neoprene gloves and safety goggles must be adhered to during mixing and all application processes.
- Keep out of reach of children.
- Do not apply below 5c or above 30c.
- Empty containers must be disposed of in accordance with current legislations.
- Never stand vessels of mixed products directly on to the surface where the material is to be applied.
- Keep moisture away from the surface below. Microcement has to be applied to a dry surface.
- If in the event of application there is a water mark or staining on the floor, DO NOT start to apply the product. Allow the stain to dry out and apply a layer of Matrick Cement pre seal. This will contain the mark and reduce the chances of the stain appearing in further layers.

Cleaning of tools:

- All tools can be cleaned with pH neutral water.
- Remove any excess Microcement into a disposable bag and discard in accordance with legislation.
- Brush all equipment with clean water and a soft brush.
- Ensure any electrical equipment is disconnected from the power source prior to cleaning.

Solid Part A Microcement Finish; BUCKETS 20Kg

Suitable for very low trafficked areas of floors, walls ceilings and worktops.

Protective Layers:

- Pre Seal
- PU Sealer

Storage Condition;

Store in dry conditions for no longer than 12 months.

Matrick Cement LTD reserves the right to change any of the specified instructions on this data sheet without notice.