

CLAUDICEMENTO READY MIX MICROCEMENT

Installation Manual

The surface on which a microcement can be successfully installed must be:

- Solid: Strong, stable, and able to bear weight—no soft or spongy areas.
- Flat: Even, with no noticeable lumps, bumps, or humps.
- Free of movement: The base should not flex or move when pressure is applied, as any movement can result in cracking or de-bonding of the finish.
- Free of moisture and fully Cured: The surface needs to be completely dry and fully cured, with no signs of damp.
- Sound: intact, without damage, cracks, holes, or weak spots.
- Oil free: No traces of oil or other contaminants.
- Free of holes or depressions: All surfaces must be filled and smooth, with no dips or cavities.

Any issues within the substrate should be addressed and eliminated prior to the microcement installation.

MICROCEMENT APPLICATION

STEPS	AREA OF INSTALATION	INSTRUCTIONS	ADDITIONAL INFO
STEP 1	SOILD TILES	COVER THE JOINTS WITH READY MIX BASE (WITH NO PIGMENT ADDED) ALLOW IT TO DRY FOR A MINIMUM OF 24 HOURS BEFORE PROCEEDING TO STEP 2	FILL GROUT LINES USING MICROCEMENT BASE. SAND SMOOTH AND SEAL ENTIRE SURFACE WITH NO1 QUARTZ SEALER BEFORE MICROCEMENT APPLICATION. CHOOSE FINISH BASED ON FINAL APPEARANCE DESIRED.
	CRACKS / IRREGULARITIES	APPLY CLAUDICEMENTO HYDRO EPOXY PRIMER LOCALLY OR THROUGHOUT , APPLY TWO LAYERS , USE FIBRE MESH FOR ADDED REINFORCEMENT. ALLOW IT TO DRY FOR A MINIMUM OF 24 HOURS BEFORE PROCEEDING TO STEP 2	ASSESS AND STABILISE ANY STRUCTURAL MOVEMENT FIRST. OPEN AND CLEAN CRACKS, APPLY HYDRO EPOXY PRIMER LOCALLY OR ACROSS THE SURFACE, EMBEDDING FIBRE MESH AS REQUIRED. ALWAYS USE FIBRE MESH WITH PRIMER AND DURING RM BASE APPLICATION. SELECT YOUR PREFERRED FINISH FOR THE FINAL LAYERS.

	JOINTED SURFACES/BOARDS	APPLY CLAUDICEMENTO HYDRO EPOXY PRIMER TWO LAYERS WITH EMBEDDED FIBER MESH ALLOW IT TO DRY FOR A MINIMUM OF 24 HOURS BEFORE PROCEEDING TO STEP 2	BOARDS TO BE GLUED AND SCREWED TIGHTLY, FLUSH AND OVERLAP THE JOINTS. ANY SCREW HOLES TO BE FILLED WITH SUITABLE GRADE FILLER, FIBER MESH TO BE ALSO BETWEEN THE LAYERS OF BASE APPLIED.
	DAMP / MOISTURE ISSUES (E.G. BASEMENT, OUTDOOR AREAS, SINK COATINGS, WET ROOM FLOOR, SHOWER TRAYS)	APPLY CLAUDICEMENTO HYDRO EPOXY PRIMER TWO LAYERS	
STEP 2	ALL AREAS	APPLY ONE COAT OF NO1 SEALER (FLOORS) NO1 QUARTS SEALER (WALLS) , ON VERY ABSORBENT SUBSTRATE DILUTE UP TO 50% WITH WATER ON A VERY ALLOW 30 MINUTES TO DRY	TOOL – SHORT PILE ROLLER CONS – 50 SQM PER COAT WAITING TIME – ALLOW 30 MIN* TO DRY BEFORE MOVING TO THE NEXT STEP
STEP 3	WALLS, CEILING, FURNITURE	APPLY ONE COAT OF READY-MIX BASE, WITH ADDED PIGMENT (see how to add a pigment to the microcement mortar section below) , ONCE DRY PERFORM SANDING. OPEN CONTAINER, ADD PIGMENT MIX AND HOMOGENISE THE PRODUCT WITH A MECHANICAL MIXER AT LOW SPEED FOR AT LEAST 3 MINUTES, LET IT STAND FOR 2 MINUTES AND STIR AGAIN UNTIL OBTAINING A UNIFORM COLOUR AND MIXTURE FREE OF LUMPS.	TOOL: METAL TROWEL CONSUMPTION: +/- 0.8 KG / M2 FOR EACH LAYER
	FLOOR	APPLY TWO COATS OF READYMIX BASE, PERFORM SANDING IN BETWEEN COATS, ADD PIGMENT TO THE SECOND COAT OF BASE - OPEN CONTAINER, ADD PIGMENT ((see how to add a pigment to the microcement mortar section below) , MIX AND HOMOGENISE THE PRODUCT WITH A MECHANICAL MIXER AT LOW SPEED FOR AT LEAST 3 MINUTES, LET IT STAND FOR 2 MINUTES AND STIR AGAIN UNTIL OBTAINING A UNIFORM COLOUR AND MIXTURE FREE OF LUMPS. ONCE THE SECOND COAT OF READY MIX BASE IS DRY PERFORM SANDING	WAITING TIME BETWEEN COATS: 6 - 8 HOURS * USE 40 OR 60 GRIT SANDING OF EACH LAYER AND VACUUM THE SURFACE BEFORE MOVING TO THE NEXT STEP .
	WALL CEILING FURNITURE	APPLY 1 COAT READY MIX DECK OR FINE ,WITH ADDED PIGMENT . EXERTING SOME PRESSURE WITH THE TROWEL. ONCE DRY PERFORM SANDING.	TOOL: METAL TROWEL FOR READY MIX DECK , RUBBER TROWEL FOR READY MIX FINE CONS.: 0.35 KG / M2 FINE , 0.45 KG DECK WAITING TIME BETWEEN COATS: 6-8 HOURS

STEP 4			SANDING WITH 120 GRIT (DECK) OR 220 (FINE) AND VACUUM THE SURFACE.
	FLOOR	APPLY ONE COAT OF READY MIX DECK OR FINE, WITH ADDED PIGMENT , EXERTING SOME PRESSURE WITH THE TROWEL ONCE DRY PERFORM SANDING	
STEP 5	ALL AREAS	APPLY FIRST COAT OF WATER-BASED ALIPHATIC POLYURETHANE PROTECTOR DUR MATT OR SATIN (RATIO 5:1) DILUTED WITH 20%-30% WATER. APPLY SECOND COAT OF WATER-BASED ALIPHATIC POLYURETHANE PROTECTOR DUR MATT OR SATIN (RATIO 5:1) DILUTED WITH 10% WATER. TOOL: ROLLER	TOOL: LONG PILE ROLLER WAIT 12 HOURS BETWEEN APPLYING THE SECOND COAT*
GENERAL RECOMENDATIN:			
- BEFORE APPLICATION, THE SURFACE MUST BE THOROUGHLY CLEANED AND FREE OF ANY DUST, GREASE, OLD PAINT, OR CHIPPED BLISTERING. THE SURFACE SHOULD ALSO BE RESISTANT, STABLE, BONDED, AND FREE OF ANY RESIDUE FROM RELEASE AGENTS OR ORGANIC PRODUCTS. - APPLICATION SHOULD BE CARRIED OUT WITHIN A TEMPERATURE RANGE OF 15 C AND 26 C FOR OPTIMAL RESULTS. TEMPERATURE EXTREMES CAN AFFECT THE PRODUCT'S PERFORMANCE. - PLEASE AVOID APPLYING THE PRODUCT DURING LOW TEMPERATURES, AS THIS CAN HINDER ITS EFFECTIVENESS. - AVOID APPLICATION DURING HOT WINDS, AS THIS CAN NEGATIVELY IMPACT THE PRODUCT'S DRYING PROCESS. - IN THE EVENT OF HEAVY RAIN, IT IS RECOMMENDED TO DELAY APPLICATION UNTIL THE WEATHER CONDITIONS IMPROVE. - FOR OPTIMAL COVERAGE, PLEASE DO NOT APPLY A THICK LAYER OF THE PRODUCT. APPLY THE LAYERS WITH A MINIMUM THICKNESS – TO SPREAD THE MICROCEMENT PROPERLY OVER THE SURFACE DO NOT LED THE TROWEL TOO FLAT BUT AIM TO HAVE IT AT 45 DEGREE ANGLE. - FRESH ON FRESH APPLICATION MUST BE AVOIDED TO PREVENT ADHESION ISSUES. - IN CASE OF ACCIDENTAL CONTACT WITH EYES, RINSE WITH PLENTY OF WATER FOR 15 MINUTES. FOR SKIN CONTACT, WASH WITH SOAP AND WATER. - DO NOT CONSUME THE PRODUCT. IF INGESTION OCCURS, SEEK IMMEDIATE MEDICAL ATTENTION. - EMPTY CONTAINERS MUST BE DISPOSED OF IN ACCORDANCE WITH CURRENT LEGAL REGULATIONS. - TO PROMOTE OPTIMAL DRYING, IT IS ADVISED TO PROMOTE AIR FLOW IN THE APPLICATION AREA. - WHEN USING THE PRODUCT, IT IS RECOMMENDED TO HAVE GOOD VENTILATION, WEAR PROTECTIVE GOGGLES TO AVOID SPLASHING, RUBBER GLOVES, AND PROTECTIVE CLOTHING. AVOID DIRECT SKIN CONTACT AND WEAR A MASK WHEN SANDING AND SMOOTHING SURFACES. - STORE THE PRODUCT IN A COOL, DRY PLACE AWAY FROM DIRECT SUNLIGHT. - KEEP OUT OF REACH OF CHILDREN AND PETS. - JOINTS - EXISTING STRUCTURAL JOINTS IN A SUBSTRATE MUST BE RESPECTED (MOVEMENT JOINTS).			

Note(): Drying times are calculated at temperature of 20°C and a maximum relative humidity of 60%. Adapt times to environmental conditions. Curing period can vary considerably depending on room temperature, with topcoat sealers and microcement full performance being achieved after 28 days.*

HOW TO ADD A PIGMENT TO THE MIX

MIXING THE PIGMENT 15KG MICROCEMENT BUCKET = ENTIRE BOTTLE OF READY-MIX PIGMENT. OPEN CONTAINER, ADD PIGMENT ((SEE HOW TO ADD A PIGMENT TO THE MICROCEMENT MORTAR SECTION BELOW) , MIX AND HOMOGENISE THE PRODUCT WITH A MECHANICAL MIXER AT LOW SPEED FOR AT LEAST 3 MINUTES, LET IT STAND FOR 2 MINUTES AND STIR AGAIN UNTIL OBTAINING A UNIFORM COLOUR AND MIXTURE FREE OF LUMPS.

MIXING THE PIGMENT WITH LESS OR MORE THAN 15KG; HOW TO CALCULATE HOW MUCH PIGMENT DO YOU NEED PER 1 KG OF MICROCEMENT:

WEIGHT OF THE PIGMENT IS ALWAYS WRITTEN ON A BOTTLE.

CALCULATION IS AS FOLLOWS:

WEIGHT OF THE PIGMENT (AS WRITTEN ON THE BOTTLE) DIVIDED BY 15 = AMOUNT OF PIGMENT YOU NEED PER 1 KG OF MICROCEMENT.

EXAMPLE:

ONE BOTTLE OF OFF - WHITE PIGMENT IS 600GR.

$600\text{GR} / 15 = 40 \text{ GR}$

40 GR = THE AMOUNT OF PIGMENT YOU NEED PER 1 KG OF READY MIX MICROCEMENT.

NOTE:

- TO ACHIEVE LIGHTER SHADE, ADD LESS OF THE PIGMENT RECOMMENDED DOSE.
- USING MICROCEMENT BASE AS A FINISHING COAT - DUE TO THE THICK GRAIN OF MICROCEMENT BASE, THE COLOUR ON MICROCEMENT BASE ALWAYS COMES OUT DARKER. IF YOU ARE USING MICROCEMENT BASE AS A FINISHING COAT AND YOU WISH TO ACHIEVE A COLOUR AS ON THE MICROCEMENT DECK SAMPLES THEN ADD 30% LESS OF THE PIGMENT RECOMMENDED DOSE.

RECOMMENDATION:

- MEASURED QUANTITY OF THE PIGMENT NEEDS TO BE POURED INTO A CLEAN CONTAINER - TO GET PRECISE MEASURING, THE PIGMENT SHOULD BE WEIGHTED ON ELECTRONIC SCALE MEASURING QUANTITIES BETWEEN 0.1GR -500 GR.
- POUR THE MEASURED QUANTITY OF THE PIGMENT INTO A CONTAINER, ADD A SMALL AMOUNT OF WATER TO IT TO CREATE A PIGMENT MIX.
- POUR A BIT OF WATER IN THE CONTAINER WHERE MEASURED PIGMENT WAS IN, SHAKE IT AND ADD IT TO THE PIGMENT MIX TO ENSURE THAT ALL PIGMENT WAS USED.

- ADD THE PIGMENT MIX TO THE MICROCEMENT MORTAR, MIX IT THROUGHOUT TO AVOID UNEVEN COLOURING OF THE MICROCEMENT MORTAR, THEN CONTINUE TO THE NEXT STEP OF INSTALLATION.

POST INSTALATION CARE AND CURING TIME:

Please ensure compliance with the below guidelines for the best results and longevity of ClaudiCemento READY MIX microcement installation. Curing period starts after the final coat of seal is installed.

SETTING	INSTRUCTION
RESIDENTIAL (NO FURTHER RENOVATION)	• FLOOR: LOW FOOT TRAFFIC ALLOWED AFTER 48 HRS*. • WALLS, CEILING, AND FURNITURE: DO NOT USE OR PLACE ANY OBJECTS FOR A PERIOD OF 4-5 DAYS*.
COMMERCIAL (NO FURTHER RENOVATION)	• NO WORKS OR TRADES SHOULD BE CARRIED OUT IN AND AROUND THE AREA WHERE MICROCEMENT INSTALLATION WAS DONE FOR A PERIOD OF 5 DAYS*.
COMMERCIAL AND RESIDENTIAL (ON-GOING RENOVATION)	• NO WORKS OR TRADES SHOULD BE CARRIED OUT IN AND AROUND THE AREA WHERE MICROCEMENT INSTALLATION WAS DONE FOR A PERIOD OF 5 DAYS. • ONCE THE CURING PROCESS HAS ENDED, USE HEAVY-DUTY FLOOR CARDBOARD PROTECTION TO PROTECT THE MICROCEMENT FROM POTENTIAL DAMAGES CAUSED BY AN ON-GOING CONSTRUCTION/ RENOVATION WORKS ON SITE. FAILURE TO COVER APPROPRIATELY MAY CAUSE DAMAGE TO THE SEALANT.
GENERAL RECOMMENDATIONS • USE HEAVY-DUTY CARDBOARD PROTECTION TO COVER THE MICROCEMENT WORKS. • AN ADDITIONAL IMPACT PROTECTION SHOULD BE PUT ON TOP OF THE CARDBOARDS IN CASE THERE ARE ANY HEAVY DUTY WORKS CARRIED OUT AND/OR HEAVY EQUIPMENT BEING USED OR PLACED ON THE FLOORING. • DO NOT COVER MICROCEMENT WITH PLASTIC AND RUBBER MATERIALS; ALL MATERIALS USED FOR COVERING MUST BE BREATHABLE. • REMOVE ANY COVERINGS OF THE MICROCEMENT FOR DAYS WHEN NO WORKS ARE CARRIED ON SITE. • DO NOT USE RUBBER MARKING TOOLS DIRECTLY ON THE MICROCEMENT; CHECK LADDERS AS THEY OFTEN LEAVE BLACK RUBBER MARKING. • AVOID SLIDING OR DRAGGING FURNITURE, APPLIANCES, OR ANY OTHER OBJECTS ACROSS THE SURFACE OF THE WORK.	

NOTE:

The instructions for use provided are based on our own testing and knowledge of the product. These recommendations do not constitute a guarantee or commitment from us. Our liability is limited to the value of the product itself. Please be aware that ClaudiCemento LTD reserves the right to make any necessary changes to the information provided without prior notice. We are dedicated to continuously improving our product and will do so as needed to ensure its quality and effectiveness for our customers.