

MicroQuarz®
by ecoresinas

ECORESINAS / MICROQUARZ®

INSTALLATION MANUAL · PROFESSIONALS

NEW UNCOUPLING MEMBRANE BASE

FROM THE BASE. TO THE FOOTPRINT.

A trade guide to preparing the substrate, choosing your MicroQuarz® system and arriving at the right protection for floors, walls, furniture, bathtubs and shower trays.

ecoresinas
MINERAL COATINGS

SHARED CRAFT. ARCHITECTURE MOVING FORWARD.

WE DON'T APPLY A COATING.
WE BUILD A SYSTEM.

MicroQuarz® is not a microcement: **it is a cement-free mineral coating** built up layer by layer. Each phase depends on the one before. That is why this manual follows the real order of work on site: from what you don't see to what you live with.

01 **PREPARE THE BASE**
Choose between traditional preparation and the new uncoupling membrane base. Requirements, steps, products and checks.

NEW MEMBRANE

02 **CHOOSE YOUR MICROQUARZ®**
Compare the eight systems by surface, texture, grain size and application coats.

03 **CHOOSE THE PROTECTION**
Sand before you protect: pattern, abrasives and machinery for floors and walls. Final check and protection according to use.

04 **CARE FOR IT**
Use and maintenance.



The guidance in this manual is for reference only and must always be adapted to the actual condition of the substrate and to each product's technical data sheet.

0 % CEMENT
Cement-free mineral formulation.

85 % QUARTZ
Local quartz, made in Spain.

A+ COV
Minimal indoor emissions.

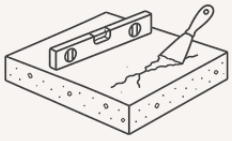
01

PHASE 01 · PREPARATION

WHAT YOU CAN'T SEE CARRIES WHAT YOU LIVE ON.

With MicroQuarz®, good work starts before you open the pail. The substrate shapes the final result: MicroQuarz® is a thin-layer coating applied in several coats, with a final thickness of approximately 3 to 5 mm. Whatever lies beneath eventually shows on top.

PATH 1

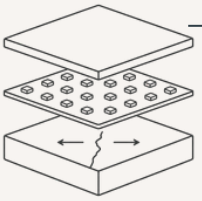


Traditional preparation

Work directly on the existing substrate, correcting whatever is needed for it to receive MicroQuarz®.

What it offers: makes use of the existing substrate.

PATH 2



With uncoupling membrane

An advanced preparation that adds an intermediate layer between the substrate and the coating.

What it offers: reduces the problems transmitted by the substrate and creates a more controlled base.

2 Paths · One way into MicroQuarz®

Existing substrate

PATH 1 · TRADITIONAL

- **Check the 5 points** — Strong · Level · Smooth · Stable · Dry
- → **Correct** — Correct the surface if any point is missing

PATH 2 · UNCOUPLING MEMBRANE

- **Check** — Level and cohesion
- → **Bond** — The membrane
- → **Self-levelling compound** — 7 mm
- → **Primer W** — + aggregate broadcast

YOUR FIRST DECISION

Traditional preparation or uncoupling membrane? Assess the condition of the substrate and the needs of the job, and choose the path that best meets both.

PHASE 01 · **PATH 1 · TRADITIONAL**

TRADITIONAL PREPARATION.
5 POINTS. NO EXCEPTIONS.

Before applying any system, check and prepare the substrate. The final result depends as much on the condition of the surface as on the product.

01 · STABLE SUBSTRATE
Firm, with no movement, cracks, loose pieces or hollow areas. As the applicator, you must ensure the substrate remains stable for the whole life of MicroQuarz®.

02 · LEVELLED WHERE NECESSARY
The substrate must be level when the job requires it or where there are significant imperfections.

03 · SMOOTH SUBSTRATE
Smooth and even: with a final thickness of 3–5 mm, any substrate defect can show through in the finish.

04 · MOISTURE-FREE SUBSTRATE
Do not apply over substrates with unresolved capillary or residual moisture. Residual moisture may require a chemical vapour barrier; groundwater moisture must be resolved constructively before application or by means of Path 2, uncoupling membrane.

The uncoupling membrane system tolerates rising ground moisture in vapour form, but not liquid water, leaks or hydrostatic pressure.

05 · HARD SUBSTRATE
25MPa

Mechanical strength equivalent to at least 25 MPa concrete, to guarantee the stability and load-bearing capacity required for the adhesion and durability of the coating. 25 MPa



WAY INTO MICROQUARZ® With all 5 points met, the system starts with **PrimerQuarz**.

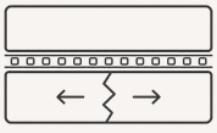
IF NOT MET Work the substrate with epoxy resin to repair cracks, control residual moisture, or smooth and level it, until it meets the five basic points that ensure the durability of MicroQuarz®.

PHASE 01 · **PATH 2 · UNCOUPLING MEMBRANE**

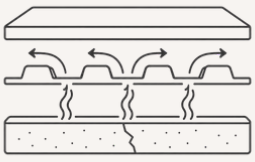
UNCOUPLING MEMBRANE BASE.
LESS STRESS. MORE CONTROL.

An intermediate layer between the substrate and MicroQuarz®. Its job: reduce the problems transmitted by the substrate and create an even, controlled base.

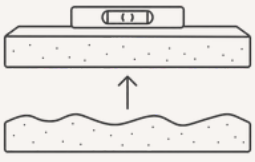




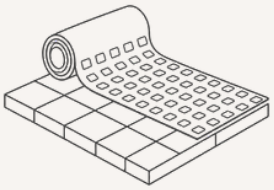
01
Reduces stress. Helps reduce the transfer of stress from the substrate to the coating.



02
Manages vapour. Its structure helps manage water vapour.



03
Evens out. Creates a uniform, controlled base for MicroQuarz®.



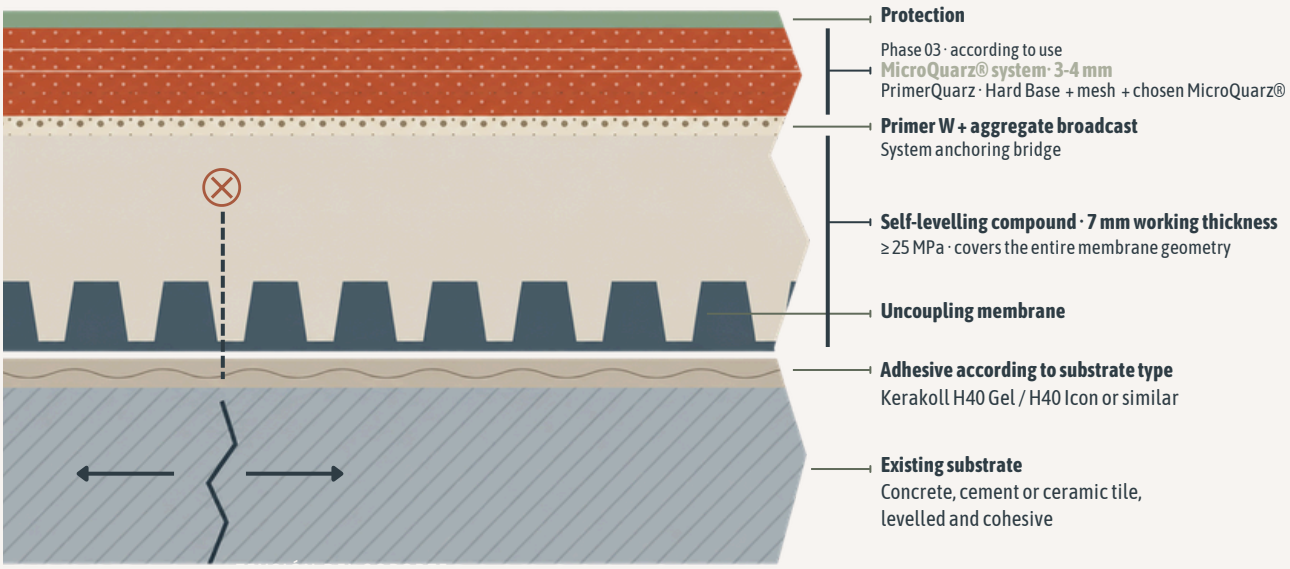
04
Over existing surfaces. Suitable over cement, concrete or well-bonded ceramic tile.

REQUIREMENT Clean, cohesive substrate. As the applicator, you must guarantee the adhesion of the uncoupling membrane. It does not replace checking the substrate: it complements it.

PHASE 01 · **PATH 2 · UNCOUPLING MEMBRANE** · SYSTEM ANATOMY

LAYER BY LAYER.
FROM SUBSTRATE TO SURFACE.

The membrane is bonded to the substrate by its geotextile backing and the appropriate adhesive. The self-levelling compound fully covers its geometry and becomes the new base onto which MicroQuarz® anchors.



Schematic, not to scale. The thicknesses shown are the reference values from the technical manual.

Total thickness is approximately 12 mm, including adhesive, membrane, self-levelling compound and MicroQuarz®.

SELF-LEVELLING COMPOUND
7 mm
recommended working thickness

STRENGTH
≥ 25 MPa
self-levelling compound reference

MICROQUARZ®
3-4 mm
approximate thickness



PHASE 01 · **PATH 2 · UNCOUPLING MEMBRAN** · INSTALLATION IN 5 STEPS

5 MOVES.
A BASE THAT STAYS PUT.

Each step prepares the next. Don't move on until the previous one is resolved and checked.

01

CHECK THE FLOOR

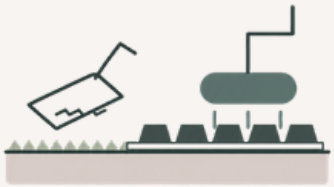
Verify the levelness and cohesion of the substrate so the adhesive gets a good grip.



02

BOND THE MEMBRANE

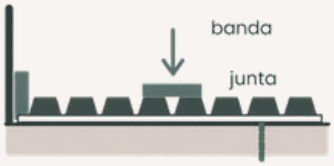
Choose an adhesive suited to the substrate and its moisture (see "Products"). Spread it according to its technical data sheet and press the membrane down until the backing is fully bonded, with no air pockets.

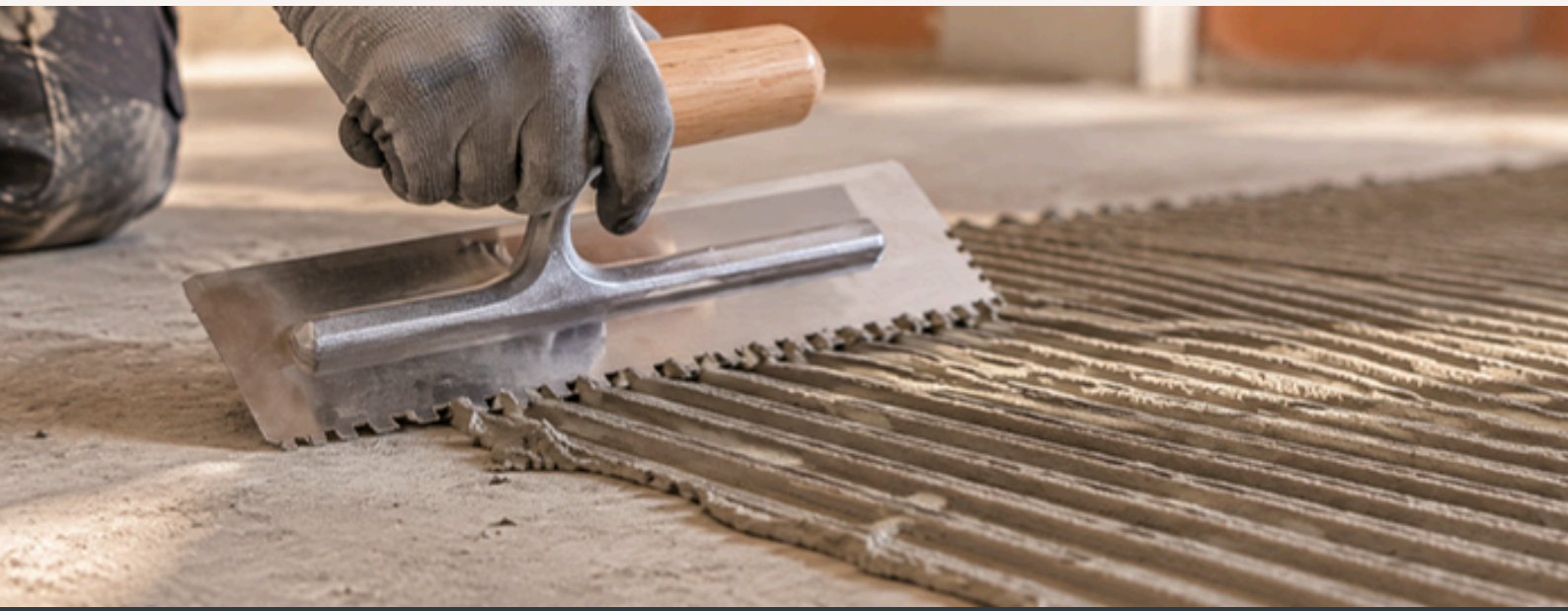


03

RESOLVE SEAMS AND JUNCTIONS

Fit compatible bands; finish perimeters, penetrations and interruptions. Always respect structural and movement joints.

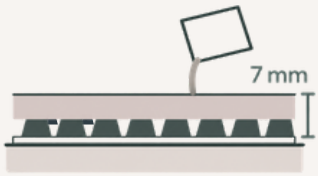




PHASE 01 · PATH 2 · UNCOUPLING MEMBRAN · INSTALLATION IN 5 STEPS

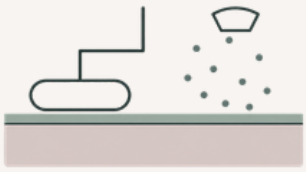
04 LEVEL THE TOP SURFACE

Protect and cover the membrane geometry with self-levelling compound. Recommended working thickness: 7 mm. Reference alternatives: Weberfloor Fluid and Kerakoll Planogel Rheo.



05 PREPARE THE WAY INTO MICROQUARZ®

Once the self-levelling compound is dry, check its stability and its adhesion to the membrane; sand and vacuum. Roller-apply Primer W with an aggregate broadcast to reinforce the anchorage of the chosen MicroQuarz® system.







ATTENTION The membrane does not repair structural problems, nor does it on its own eliminate leaks or active capillary moisture beyond the limits accepted by its manufacturer.

PHASE 01 · **PATH 2 · UNCOUPLING MEMBRAN** · PRODUCTS

THE RIGHT PRODUCT FOR EVERY SUBSTRATE.

Choose the adhesive according to the substrate type and its moisture. Then cover the membrane with a self-levelling compound with a reference strength of 25 MPa or higher.

PROPOSED ADHESIVE FOR BONDING THE MEMBRANE

SUBSTRATE CONDITION	CANDIDATE	CHECK
Dry cement or concrete	Kerakoll H40 Gel	Levelness, cleanliness, firmness and absence of rising damp.
Dry existing ceramic tile	Kerakoll H40 Gel	Well-bonded tiles and preparation that ensures grip.
Cementitious substrate with possible moisture	Kerakoll H40 Icon	Level, clean and firm substrate. Verify the moisture regime and the actual compatibility of the system.

The adhesives are proposals from the preparation guide; their use must be adapted to site conditions and product data sheets.

SELF-LEVELLING COMPOUND · REFERENCE STRENGTH ≥ 25 MPA

ALTERNATIVE	CLASSIFICATION	DATOS DE REFERENCIA
Weberfloor Fluid	CT-C25-F5	Working thickness: 7 mm. Must completely cover the entire membrane geometry.
Kerakoll Planogel Rheo	CT-C30-F7	Working thickness: 7 mm. Must completely cover the entire membrane geometry.



Existing ceramic floor, clean and well bonded, prepared as a substrate before laying the membrane.

PHASE 01 · **PATH 2 · UNCOUPLING MEMBRAN** · FINAL CHECK

FIVE CHECKS
BEFORE APPLYING MICROQUARZ®.

Check the whole base before moving on. If any of the five points is not met, resolve it before opening the first pail.

- ☐ **01** · The substrate under the membrane was level and its cohesion was checked.
- ☐ **02** · The membrane is well bonded; seams, junctions and joints are resolved.
- ☐ **03** · The self-levelling layer is continuous, with no hollow areas, cracks or visible detachment.
- ☐ **04** · The self-levelling compound has reached the required curing, drying and strength conditions.
- ☐ **05** · Primer W is bonded to the self-levelling compound and ready to receive the chosen MicroQuarz® system.

TRADITIONAL OR MEMBRANE · SUMMARY TO DECIDE

	A · TRADITIONAL	B · UNCOUPLING MEMBRANE
Principle	Work on the existing substrate and correct it.	Uncouple MicroQuarz® from the substrate so that its problems don't reach the coating.
Requirements	Stable, level, smooth, dry and strong (≥ 25 MPa).	Level, clean and cohesive substrate.
Correction	May require crack repair, moisture correction, smoothing, levelling or consolidation of the substrate.	Adhesive according to moisture and substrate + 7 mm self-levelling compound.
What it offers	Makes use of the existing substrate.	Reduces stress and manages substrate vapour; controlled base.

RESULT A prepared, checked base. Now you can choose the MicroQuarz® system that matches the texture and use of the project.

PHASE 01 · WAY INTO THE SYSTEM

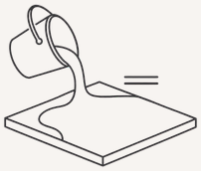
THE SUBSTRATE DECIDES.

PRIMER W

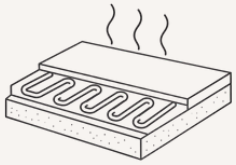
+ 0.6 mm silica broadcast



Exterior floors



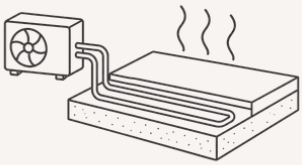
Self-levelling surfaces



Underfloor heating screeds

PRIMER AH

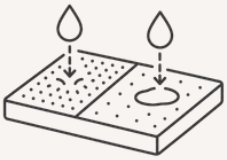
+ 0.6 mm silica broadcast



Air-source heat pump screeds



Residual moisture



Uneven absorption



Air behind tiles

01 Prepared surface ▶ 02 Primer W or Primer AH + aggregate broadcast ▶ 03 0.6 mm silica broadcast ▶ **04 MicroQuarz® system**

REMEMBER

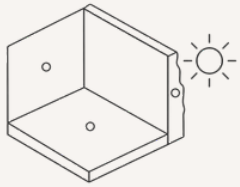
Same rule in every case: primer + 0.6 mm silica broadcast. Only the product changes, depending on the substrate.

02

PHASE 02 · SELECTION

EIGHT CHARACTERS. ONE MATERIAL.

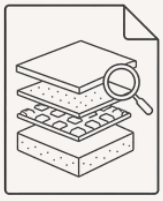
Every MicroQuarz® system has its own personality. Compare its use affinity, texture and design before checking its application coats.



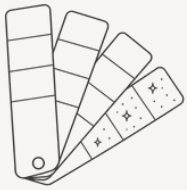
1
Check the use: floor, interior or exterior wall.



2
Choose the texture and design for the project.



3
Check the coats for that family and surface in the data sheet.



4
Select the colour: MicroQuarz® chart, NCS or Terra mica chart.

USE COMPARISON BY SURFACE

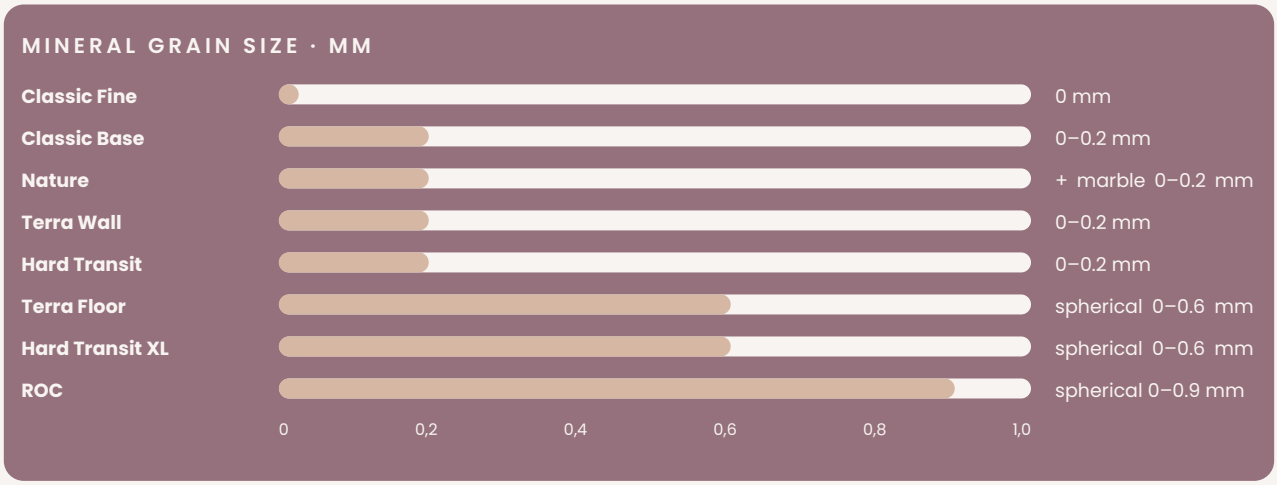
SYSTEM	EXTERIOR WALL	INTERIOR WALL	INTERIOR FLOOR	EXTERIOR FLOOR
MicroQuarz® Classic Base	●●●●●	●●●●●	○○○○○	○○○○○
MicroQuarz® Classic Fine	●●○○○	●●●●●	●○○○○	○○○○○
MicroQuarz® Nature	●○○○○	●●●●●	●●●○○	○○○○○
MicroQuarz® Terra Wall	○○○○○	●●●●●	●○○○○	○○○○○
MicroQuarz® Terra Floor	○○○○○	●●●●○	●●●●●	○○○○○
MicroQuarz® Hard Transit	●●●●●	●●●●●	●●●●○	●●●●○
MicroQuarz® Hard Transit XL	●●●●○	●●●●○	●●●●●	●●●●●
MicroQuarz® ROC	●●●●○	●●●●○	●●●●●	●●●●●

●●●●● Highest affinity
●●●○○ Intermediate affinity
●○○○○ Limited affinity
○○○○○ Not recommended in this guide

PHASE 02 · TECHNICAL READING

THE GRAIN SETS THE CHARACTER.

The larger the grain size, the more pronounced the texture and the stronger the material presence. Spherical quartz systems (0–0.6 and 0–0.9 mm) have the highest affinity with floors.



FINISHES

All systems accept a **matt, satin or gloss** finish, defined by the protection (Phase 03).

WALL OR FLOOR BASE

In all MicroQuarz® systems, the first coat on walls is MicroQuarz® Base, while on floors the first coat is always MicroQuarz® Hard Base, in this case always with mesh.

COLOURS

MicroQuarz® chart and NCS chart in the Classic, Nature, Hard Transit, Hard Transit XL and Terra systems. Mica chart in MicroQuarz® Terra. MicroQuarz® ROC has its own chart of 14 exclusive colours. Colours are indicative: always validate with a physical sample.

WAY INTO THE SYSTEM

Once the surface is prepared, the MicroQuarz® system starts with a primer and a 0.6 mm silica broadcast. Which primer to use depends on the substrate.



PHASE 02 • MICROQUARZ® SYSTEMS

FAMILIES AND FINISHES



CLASSIC FAMILY

MicroQuarz® Classic Base

The classic that endures when everything changes.

A versatile mineral expression, especially suited to walls.

TEXTURE	Structured mineral feel or polished mineral.
MINERAL	Quartz 0–0.2 mm
FINISHES	Matt · Satin · Gloss
COLOURS	MicroQuarz® chart · NCS chart

USE AFFINITY

Exterior wall	●●●●●
Interior wall	●●●●●
Interior floor	○○○○○
Exterior floor	○○○○○

REFERENCE SANDING · PHASE 03

Wall · Silicon carbide 80 · or diamond 50

APPLICATION COATS · BOTTOM TO TOP

04	MicroQuarz® Base · 3rd coat (0.80 kg/m²)
03	MicroQuarz® Base · 2nd coat (1.00 kg/m²)
02	MicroQuarz® Base · 1st coat + mesh (1.00 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)



CLASSIC FAMILY

MicroQuarz® Classic Fine

The classic that endures when everything changes.

Fine, compact design, with the freedom to create different effects.

TEXTURE	Fine and compact.
DESIGN	Structured, clouded, burnished or uniform finishes (no tonal movement).
MINERAL	Quartz 0 mm
FINISHES	Matt · Satin · Gloss
COLOURS	MicroQuarz® chart · NCS chart

USE AFFINITY

Exterior wall	●●○○○
Interior wall	●●●●●
Interior floor	●○○○○
Exterior floor	○○○○○

REFERENCE SANDING · PHASE 03

Wall · Silicon carbide · grit 120

APPLICATION COATS · BOTTOM TO TOP

05	MicroQuarz® Fine (0.40 kg/m²)
04	MicroQuarz® Base (0.80 kg/m²)
03	MicroQuarz® Base (1.00 kg/m²)
02	MicroQuarz® Base + mesh (1.00 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)

MicroQuarz® system coverage rates
It is important to respect the specified coverage rates to guarantee the quality of the coating: using more or less product can alter the properties of MicroQuarz®. To achieve these coverage rates, the surface must be prepared correctly following the chosen preparation method.

PHASE 02 • MICROQUARZ® SYSTEMS

FAMILIES AND FINISHES



NATURE FAMILY

MicroQuarz® Nature

When quartz meets marble.

Naturalness and mineral texture in a seamless surface.

TEXTURE	Compact mineral with a structured feel.
DESIGN	Natural, compact look with the option of customisation.
MINERAL	Quartz and marble 0–0.2 mm
FINISHES	Matt · Satin · Gloss
COLOURS	**Carta MicroQuarz®** · Carta NCS

USE AFFINITY

Exterior wall	●○○○○
Interior wall	●●●●●
Interior floor	●●●○○
Exterior floor	○○○○○

REFERENCE SANDING · PHASE 03

Floor · Silicon carbide · grit 120

Wall · Silicon carbide · grit 120

APPLICATION COATS · BOTTOM TO TOP

04	MicroQuarz® Nature (1.00 kg/m²)
03	MicroQuarz® Nature (1.20 kg/m²)
02	MicroQuarz® Base (wall) or Hard Base (floor) + mesh (1.00 / 1.60 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)



TERRA FAMILY

MicroQuarz® Terra Wall

Beauty emerges where things meet.

Micas and decorative character to put walls centre stage.

TEXTURE	Polished mineral.
DESIGN	Structured with micas; expressive decorative effect.
MINERAL	Quartz 0–0.2 mm
FINISHES	Matt · Satin · Gloss
COLOURS	**MicroQuarz® chart · NCS chart · Terra chart (micas)**

USE AFFINITY

Exterior wall	○○○○○
Interior wall	●●●●●
Interior floor	●○○○○
Exterior floor	○○○○○

REFERENCE SANDING · PHASE 03

Wall · Diamond · grit 50

APPLICATION COATS · BOTTOM TO TOP

04	MicroQuarz® Terra Wall (0.90 kg/m²)
03	MicroQuarz® Terra Wall (0.90 kg/m²)
02	MicroQuarz® Base (wall) + mesh (1.00 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)

MicroQuarz® system coverage rates
It is important to respect the specified coverage rates to guarantee the quality of the coating: using more or less product can alter the properties of MicroQuarz®. To achieve these coverage rates, the surface must be prepared correctly following the chosen preparation method.

PHASE 02 • MICROQUARZ® SYSTEMS

FAMILIES AND FINISHES



TERRA FAMILY

MicroQuarz® Terra Floor

Beauty emerges where things meet.

Texture and micas for floors with personality.

TEXTURE	Structured to polished mineral feel.
DESIGN	Structured with micas; decorative presence on floors.
MINERAL	Spherical quartz 0–0.6 mm
FINISHES	Matt · Satin · Gloss
COLOURS	MicroQuarz® chart · NCS chart · Terra chart (micas)

USE AFFINITY

Exterior wall	○○○○○
Interior wall	●●●●○
Interior floor	●●●●●
Exterior floor	○○○○○

REFERENCE SANDING · PHASE 03

- Floor · Diamond · grit 50
- Wall · Diamond · grit 50

APPLICATION COATS · BOTTOM TO TOP

04	MicroQuarz® Terra Floor (1.00 kg/m²)
03	MicroQuarz® Terra Floor (1.20 kg/m²)
02	MicroQuarz® Base (wall) or Hard Base (floor) + mesh (1.00 / 1.60 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)



HARD FAMILY

MicroQuarz® Hard Transit

Elegance can wear mineral too.

A balance between aesthetic presence and more demanding use.

CLASS 2
SLIP RESISTANCE

35 < Rd ≤ 45 · UN E 41901 (wet)

TEXTURE	Structured mineral feel.
DESIGN	Uniform, versatile finish.
MINERAL	Quartz 0–0.2 mm
FINISHES	Matt · Satin · Gloss
COLOURS	MicroQuarz® chart · NCS chart

USE AFFINITY

Exterior wall	●●●●●
Interior wall	●●●●●
Interior floor	●●●●○
Exterior floor	●●●●○

REFERENCE SANDING · PHASE 03

- Floor · Silicon carbide · grit 80
- Wall · Diamond · grit 50

APPLICATION COATS · BOTTOM TO TOP

04	MicroQuarz® Hard Transit (0.80 kg/m²)
03	MicroQuarz® Hard Transit (0.80 kg/m²)
02	MicroQuarz® Base (wall) or Hard Base (floor) + mesh (1.00 / 1.60 kg/m² + 1.10 m²/m²)
01	PrimerQuarz (0.20 kg/m²)

MicroQuarz® system coverage rates
It is important to respect the specified coverage rates to guarantee the quality of the coating: using more or less product can alter the properties of MicroQuarz®. To achieve these coverage rates, the surface must be prepared correctly following the chosen preparation method.

PHASE 02 • MICROQUARZ® SYSTEMS

FAMILIES AND FINISHES



HARD FAMILY

MicroQuarz® Hard Transit XL

More strength, more possibilities.

A more pronounced mineral texture with greater visual presence.

TEXTURA	Medium structured mineral feel.
DISEÑO	More pronounced texture and material presence.
MINERAL	Spherical quartz 0–0.6 mm
ACABADO	Matt · Satin · Gloss
S COLORES	MicroQuarz® chart · NCS chart

USE AFFINITY

Exterior wall	●●●●○
Interior wall	●●●●○
Interior floor	●●●●●
Exterior floor	●●●●●

REFERENCE SANDING · PHASE 03

- Floor · Diamond · grit 50
- Wall · Diamond · grit 50

APPLICATION COATS · BOTTOM TO TOP

- 04 MicroQuarz® Hard Transit XL (0.90 kg/m²)
- 03 MicroQuarz® Hard Transit XL (1.10 kg/m²)
- 02 MicroQuarz® Base (wall) or Hard Base (floor) + mesh (1.00 / 1.60 kg/m² + 1.10 m²/m²)
- 01 PrimerQuarz (0.20 kg/m²)



ROC FAMILY

MicroQuarz® ROC

The hardness of rock, turned into surface.

A robust finish with an intense mineral look.



TEXTURE	Medium structured mineral feel.
DESIGN	Imagen sólida, con marcada intensidad mineral.
MINERAL	Cuarzo esférico 0–0,9 mm
FINISHES	Matt · Satin · Gloss
COLOURS	Exclusive 14-colour MicroQuarz® chart · RAL chart

USE AFFINITY

Exterior wall	●●●●○
Interior wall	●●●●○
Interior floor	●●●●●
Exterior floor	●●●●●

REFERENCE SANDING · PHASE 03

- Floor · Diamond · grit 50
- Wall · Diamond · grit 50

APPLICATION COATS · BOTTOM TO TOP

- 04 MicroQuarz® ROC (1.10 kg/m²)
- 03 MicroQuarz® ROC (1.40 kg/m²)
- 02 MicroQuarz® Base (wall) or Hard Base (floor) + mesh (1.00 / 1.60 kg/m² + 1.10 m²/m²)
- 01 PrimerQuarz (0.20 kg/m²)

C3 CLASSIFICATION · SLIP RESISTANCE

To achieve a C3 slip resistance classification with MicroQuarz® ROC, anti-slip glass microspheres must be added to the final protection coat.

- **Interior and exterior floors:** Finish W TRP Radiant.
- **Commercial floors and shower trays:** Finish SVT TRP 85% solids.

03

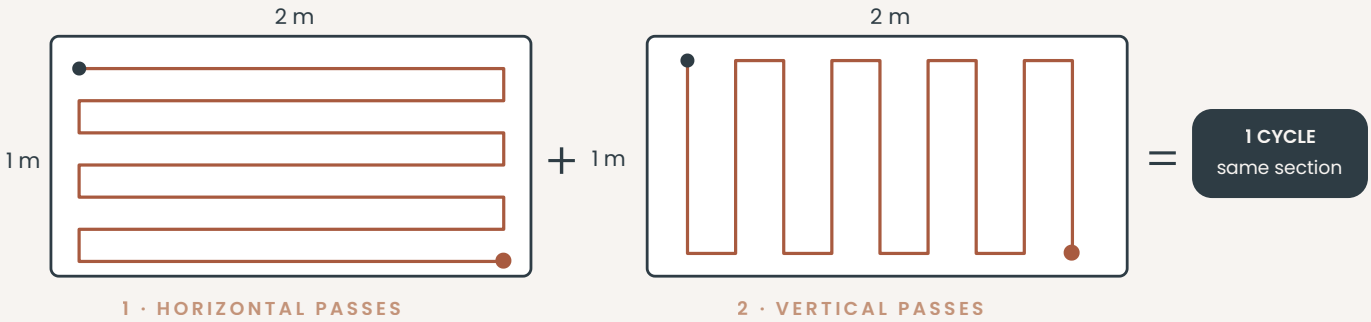
PHASE 03 · SANDING

SAND BEFORE YOU PROTECT.

Sanding defines the feel, the visual uniformity and how easy the surface is to clean. Protection doesn't depend on the varnish alone: it depends on the work that comes before it. The pattern is the same for floors and walls.

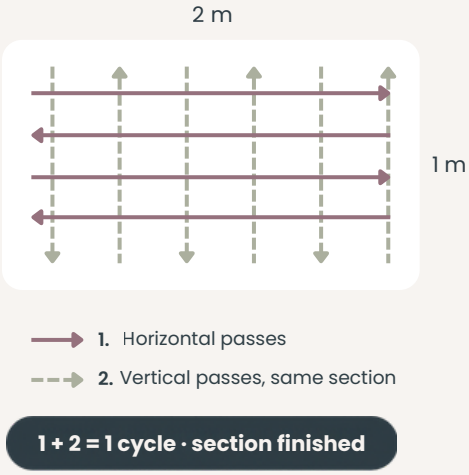
CYCLE A full cycle is horizontal passes + vertical passes over the same section. It is not a single pass.

1 · WORK IN SECTIONS 2 M WIDE × 1 M DEEP



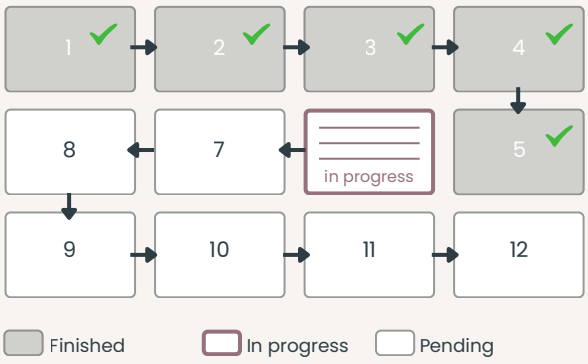
The diagram shows the same section in two orientations; it does not represent exact distances between passes.

A · WITHIN EACH SECTION



1 + 2 = 1 cycle · section finished

B · ACROSS THE WHOLE SURFACE



Finish one section and move to the next until the whole surface is done. Never leave a section half-finished.



FLOORS

PHASE 03 · FLOOR SANDING

ABRASIVE AND MACHINE. EACH SYSTEM HAS ITS OWN.

2 · CHOOSE THE ABRASIVE FOR FLOORS

SYSTEM	ABRASIVE	GRIT
MicroQuarz® Nature	Silicon carbide abrasive paper	120
MicroQuarz® Classic Fine	Silicon carbide abrasive paper	120
MicroQuarz® Terra Floor	Diamond	50
MicroQuarz® Hard Transit	Silicon carbide abrasive paper	80
MicroQuarz® Hard Transit XL	Diamond	50
MicroQuarz® ROC	Diamond	50

3 · CHOOSE THE MACHINE · BALANCE FINISH, UNIFORMITY AND PRODUCTIVITY AGAINST INVESTMENT, WEIGHT AND TRANSPORT

PRIORITY / MACHINE	RECOMMENDED SYSTEMS	SANDING CYCLES	VACUUMING
1 · **HG LION 430** or equivalent	Terra Floor · Hard Transit · Hard Transit XL · ROC	1	Thorough final vacuum
2 · **Kärcher BDS 43/150 C** or equivalent single-disc machine	Terra Floor · Hard Transit · Hard Transit XL · ROC	2	Between cycles and thorough final vacuum
3 · **Hilti DGH 130** or equivalent	Terra Floor · Hard Transit XL · ROC	2	Between cycles and thorough final vacuum
4 · **Festool Rotex RO 150 FEQ** or similar	Hard Transit · Nature · Classic Fine	1	Thorough final vacuum



SINGLE-DISC WITH DIAMOND · HOOK-AND-LOOP PAD HOLDER

To sand Terra Floor, Hard Transit XL and ROC with a single-disc machine, use a pad holder that allows several diamond abrasives to be attached with hook-and-loop.

FLOORS

PHASE 03 · FLOOR SANDING

SAME PATTERN. DIFFERENT PACE.

All machines keep the horizontal + vertical pattern per section. What changes is the number of cycles and the vacuuming.



01 HG LION 430 OR SIMILAR

The most productive option for a uniform finish. Run one full cycle per section; then vacuum the whole surface thoroughly and check the result before protecting.



02 KÄRCHER MONODISCO OR SIMILAR

Use the compatible pad where applicable. Run one full cycle and vacuum; repeat the same pattern in a second cycle and finish with a thorough vacuum. It has no built-in extraction.

03 HILTI DGH 130 OR SIMILAR

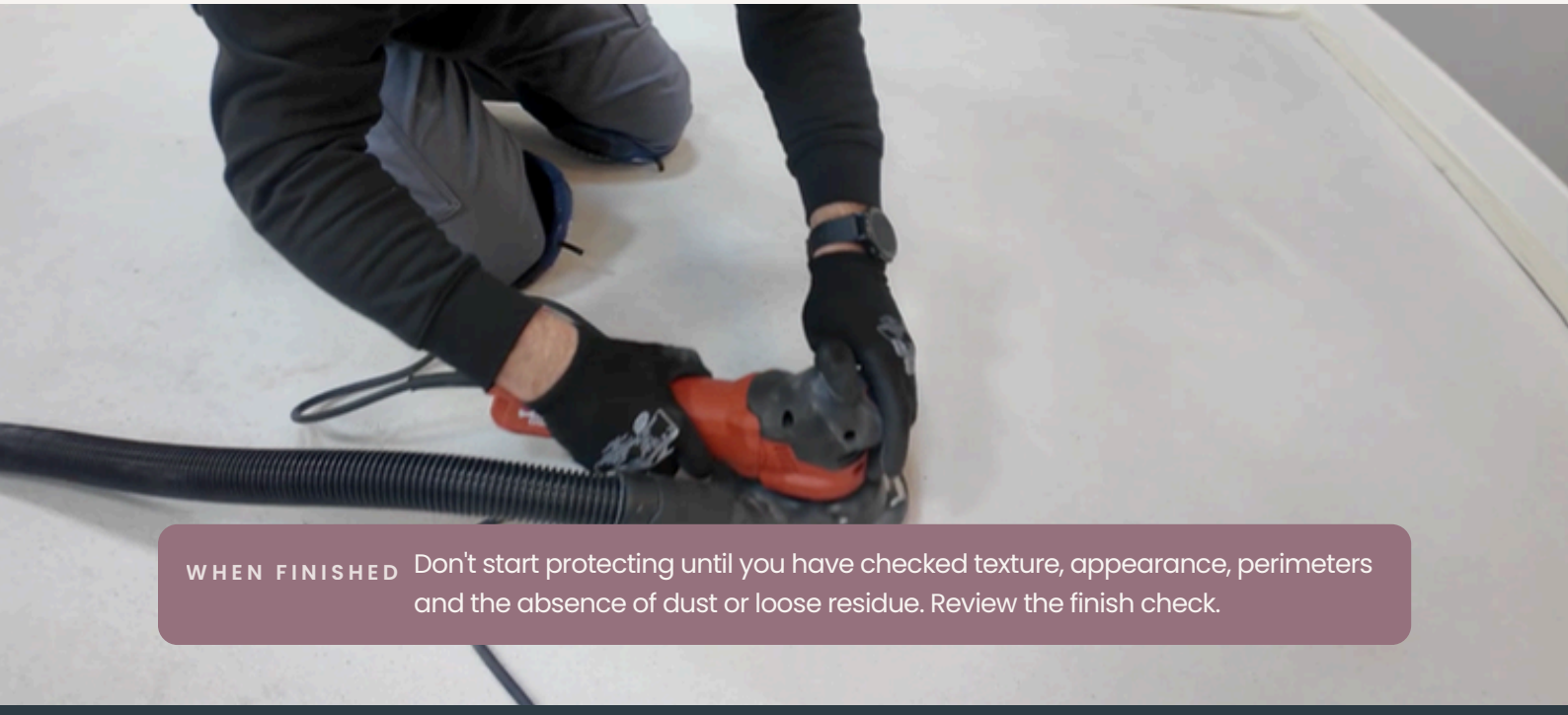
Suited to small areas. Run one cycle, vacuum, repeat the pattern and vacuum thoroughly. Control pressure and uniformity to avoid marks.





04 FESTOOL ROTEX RO 150 FEQ OR SIMILAR

Ideal for Hard Transit, Nature and Classic on walls and on small floors: one cycle.



WHEN FINISHED Don't start protecting until you have checked texture, appearance, perimeters and the absence of dust or loose residue. Review the finish check.

WALLS

PHASE 03 · WALL SANDING

ON THE VERTICAL, THE SAME GOAL.

A pleasant texture, visual uniformity and a clean surface before protecting. On walls, the same cross-pass pattern is applied in sections of approximately 2 × 1 m.

ABRASIVES BY SYSTEM FOR WALLS

SYSTEM	ABRASIVE	GRIT
MicroQuarz® Classic Base	Silicon carbide or diamond	80 silicon carbide · 50 diamond
MicroQuarz® Classic Fine	Silicon carbide abrasive paper	120
MicroQuarz® Nature	Silicon carbide abrasive paper	120
MicroQuarz® Terra Wall	Diamond	50
MicroQuarz® Terra Floor	Diamond	50
MicroQuarz® Hard Transit	Diamond	50
MicroQuarz® Hard Transit XL	Diamond	50
MicroQuarz® ROC	Diamond	50

MACHINES FOR WALLS

EQUIPMENT	RECOMMENDED SYSTEMS	CYCLES / VACUUMING
Hilti DGH 130 or similar	Terra Wall y Terra Floor Hard Transit XL · ROC	2 cycles; vacuum between them and at the end.
Festool Rotex RO 150 FEQ or similar	Classic Base and Fine · Hard Transit · Nature	1 cycle; thorough final vacuum.



PHASE 03 · FINAL CHECK

CHECK THE FINISH BEFORE YOU PROTECT.

Protection should only be applied once sanding has left the intended texture and a residue-free surface.

GO TO THE VARNISHING SECTION

CHECK	WHAT TO VERIFY · FOR FLOORS AND WALLS
Texture and feel	Uniformity; no particularly rough areas or unwanted tool marks.
Appearance	No colour changes or over-sanding marks that alter the intended design.
Transitions	Junctions, corners, perimeters and central areas with a consistent finish.
Edges and corners	Must be well defined and finished before varnishing.
Vacuuming	No dust, loose grit or sanding residue; check under raking light too.
Way into protection	Only start the next phase if all the above conditions are met.

EQUIPMENT SAFETY AND LIMITATIONS



HG LION 430

Select the mode and accessory suited to the MicroQuarz® finish; it supports sanding and grinding configurations.



KÄRCHER SINGLE-DISC

Using an adapted pad and diamond abrasives requires checking the compatibility of the set-up.

HILTI DGH 130

Designed by its manufacturer for vertical mineral surfaces; on floors, for small areas.



ALWAYS

Control respirable dust with an M-class vacuum and ventilation. Eye and ear protection.

PHASE 03 · PROTECTION BY USE

EVERY SPACE CALLS FOR ITS OWN PROTECTION.

Each surface has different demands in use. A wall, a floor, a piece of furniture or a bathtub each requires a specific protection system.
In MicroQuarz® varnish protection systems, application starts with Primer Finish. From there, the type of varnish and the number of coats are adapted to the use and resistance requirements of each surface.
On façades, protection follows a different approach: HydroQuarz can be applied when a water-repellent treatment is required.

INTERIOR WALLS



EXTERIOR WALLS



INTERIOR / EXTERIOR FLOORS



SHOWER TRAYS



BATHTUBS



FUNCTIONAL FURNITURE



DECORATIVE FURNITURE



COMMERCIAL TRAFFIC FLOORS



IMPORTANT

In bathtubs, shower trays and other wet areas, the surface protection system does not replace any structural waterproofing the job may require.

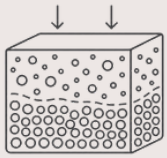
PHASE 03 · VARNISHING

LESS PRODUCT. MORE PROTECTION.

Varnishing closes the MicroQuarz® system. It starts on a sanded, vacuumed and checked surface, and is built up in thin, well-spread coats: first Primer Finish; then the varnish each surface calls for.



01
SEALS THE PORES
Seals the MicroQuarz® surface after final sanding.



02
CONSOLIDATES THE SUBSTRATE
Helps harden and settle the base of the material.

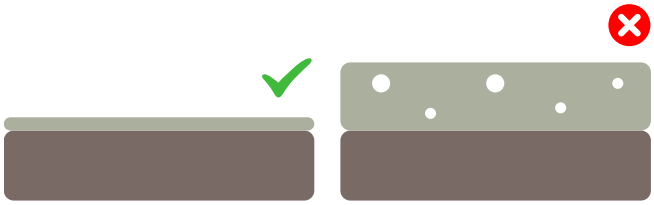


03
AIDS ANCHORAGE
Prepares the surface so the final varnish grips.

TIP A single coat of **Primer Finish**, 40 g/m² (range 40–60 g/m²). The pores stay slightly open, so the two-component varnish penetrates better and consolidates the whole system. Minimum drying time: 1 hour; it can be left overnight if necessary.

THE GOLDEN RULE OF VARNISH

PER COAT
Thin and well spread. Respecting the coverage per coat prevents defects from too much or too little product.



IF YOU APPLY THICK COATS

SOFTENING
More product doesn't mean more protection: a thick coat softens the varnish and reduces its resistance.

VISUAL DEFECTS
Bubbles or white, greenish or yellowish stains may appear on the surface.

SYSTEM FAILURE
The varnish may lose adhesion to the coating.

Don't fall short either: coats below the specified coverage give less protection and cause cleaning problems.

PHASE 03 · VARNISHING · MIXING

4 RULES. NO EXCEPTIONS.

Finish W TRP and **Finish W TRP Radiant** are two-component varnishes: base (A) and catalyst (B). The mix is always prepared with the same protocol.

01
RATIO
Check the latest version of each varnish's technical data sheet to ensure the correct mix of base and catalyst.

02
MECHANICAL MIXING
Paddle mixer at low speed for 2–3 minutes, until the mix is completely homogeneous.

03
KEY RULE: PARTIAL MIXES
Prepare only what you'll use for each coat and make a fresh mix for the next. The product cures over time: even if it looks the same, it loses adhesion. Never use leftovers.

04
HOT-WEATHER ADJUSTMENT
In summer or in very hot conditions, add up to 10% water to the base before adding the catalyst.



TOOLS REQUIRED

PADDLE MIXER
Essential for mixing A + B.



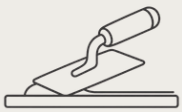
BRUSH
First step in both methods: cut in the whole perimeter.



MICROFIBRE ROLLER
Short pile (or velour). Main tool for the roller method.



PVC TROWEL
Trowel method: floors only.



180-GRIT SANDPAPER
To open the pores if more than 24–48 h pass between coats.

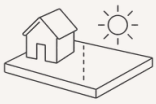


ALWAYS
A fresh mix for each coat. Never use catalysed leftovers.



PHASE 03 FLOOR VARNISHING

EVERY SURFACE, ITS OWN SEQUENCE.



INTERIOR AND EXTERIOR FLOORS HARD TRANSIT · HARD TRANSIT XL · ROC TERRA FLOOR (INTERIOR ONLY) STEP BY STEP.

1. Primer Finish by mop or roller
   40–60 g/m²
   - 60 minutes later
2. Finish W TRP Radiant + 10% water by PVC trowel
   90 g/m² + QRC-Refill (15%)
   - 8 hours later
3. Finish W TRP Radiant + 10% water by PVC trowel
   80 g/m² + QRC-Refill (15 %)
   - 8 hours later
4. Finish W TRP Radiant + 10% water by roller
   60 g/m² · **without QRC-Refill**

*To achieve C3 classification with MicroQuarz® ROC, add anti-slip glass microspheres to the last coat of Finish W TRP Radiant.



LOW-TRAFFIC INTERIOR FLOORS NATURE · CLASSIC STEP BY STEP.

1. Primer Finish by mop or roller
   40 g/m²
   - 60 minutes later
2. Finish W TRP Radiant + 10% water by PVC trowel
   60 g/m²
   - 6-8 hours later
3. Finish W TRP Radiant + 10% water by PVC trowel
   60 g/m²
   - 6-8 hours later
4. Finish W TRP Radiant + 10% water by roller
   60 g/m²



COMMERCIAL FLOOR

1. Primer Finish by mop or roller
   40–60 g/m²
   - 60 minutes later
2. Finish W TRP + 10% water by PVC trowel
   90 g/m² + QRC-Refill (15 %)
   - 8 hours later
3. Finish W TRP + 10% water by PVC trowel
   80 g/m² + QRC-Refill (15 %)
   - 36 hours later
4. Finish SVT TRP 85% solids by roller
   60 g/m²
   - 6 hours later
5. Finish SVT TRP 85% solids by roller
   60 g/m²

To achieve C3 classification on commercial floors with MicroQuarz® ROC, add anti-slip glass microspheres to the last coat of Finish SVT TRP 85% solids (step 5).

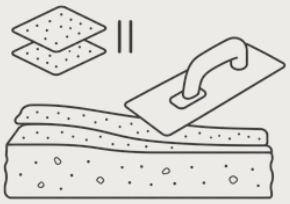
COMPONENT C

QRC-Refill

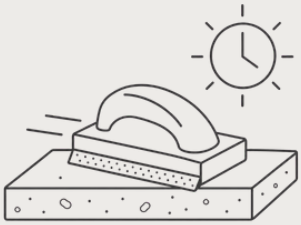
Mineral additive made of glass microparticles of 20 to 60 µm that turns **Finish W TRP Radiant** into a three-component system. It improves abrasion resistance and makes cleaning easier on pronounced textures such as **MicroQuarz® Hard Transit, Hard Transit XL, Terra Floor and ROC**.



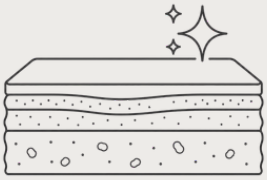
STEP 01
Mix QRC-Refill into the already prepared Radiant (A + B), at 15% by weight of the total amount of A + B.



STEP 02
Apply two coats of this three-component mix by trowel, respecting the coverage rates.



STEP 03
Once dry, sand lightly with 150–180 grit. Then vacuum.

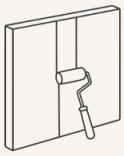


STEP 04
Final coat of Finish W TRP Radiant without QRC-Refill.

Approximate total consumption for the 3 coats: 200 g/m².

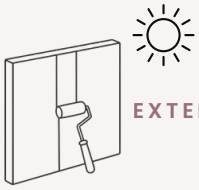
MICROQUARZ® ROC	For C3 finishes with MicroQuarz® ROC, add anti-slip glass microspheres to this final coat.
LOW TEMPERATURES	The recoat time may be longer. If more than 48 h have passed since the first coat of Radiant (drying above 10 °C), sand with 180-grit abrasive and vacuum before applying the next.

PHASE 03 · VARNISHING OF WALLS, SHOWER TRAYS AND BATHTUBS



INTERIOR WALLS

1. **Primer Finish**
   40–60 g/m²
   40 minutes later
2. **Finish W TRP**
   60 g/m²
   40 minutes later
3. **Finish W TRP**
   60 g/m²



EXTERIOR WALLS

1. **HydroQuarz – 1.ª capa**
   0,05 kg/m²
   60 minutes later
2. **HydroQuarz – 2.ª capa**
   0,05 kg/m²



SHOWER TRAY

1. **Primer Finish**
   40–60 g/m²
   40 minutes later
2. **Finish W TRP**
   60 g/m²
   36 hours later
3. **Finish SVT TRP + glass microspheres**
   60 g/m² · spread very thin
   8 hours later
4. **Finish SVT 85% solids**
   60 g/m²

To achieve a C3 anti-slip finish on shower trays with MicroQuarz® ROC, anti-slip glass microspheres must be added to the last coat of Finish SVT TRP 85% solids.

BAÑERA

Contacto habitual con agua en reposo.



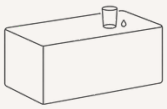
1. **Primer Finish**
   40–60 g/m²
   40 minutes later
2. **Finish W TRP**
   60 g/m²
   36 hours later
3. **Finish SVT TRP 85 % solids**
   60 g/m²
   8 hours later
4. **Finish SVT TRP 85 % solids**
   60 g/m²
   8 hours later
5. **Finish SVT TRP 85 % solids**
   60 g/m² · optional if the finish is very rough, e.g. Hard Transit.

IMPORTANT In shower trays, bathtubs and other wet areas, the surface protection system does not replace any structural waterproofing the job may require.

PHASE 03 · FURNITURE VARNISHING

FUNCTIONAL FURNITURE

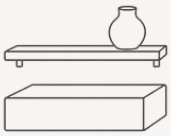
Bar counters, kitchen units, dining tables.



1. **Primer Finish**
   40–60 g/m²
   40 minutes later
2. **Finish W TRP**
   60 g/m²
   24 hours later
3. **Finish SVT TRP 85 % solids**
   60 g/m² · muy estirado
   8 hours later
4. **Finish SVT TRP 85 % solids**
   60 g/m²

DECORATIVE FURNITURE

Chests of drawers, coffee tables, shelves.



1. **Primer Finish**
   40–60 g/m²
   40 minutes later
2. **Finish W TRP Radiant**
   60 g/m²
   8 hours later
3. **Finish W TRP Radiant**
   60 g/m² · spread very thin

RADIANT At low temperatures the recoat time may be longer. If more than 24 h have passed since the first coat of Radiant (drying above 10 °C), sand with 180-grit abrasive and vacuum before the second.

PRIMER FINISH Minimum drying time: 1 hour. It can be left overnight if necessary.

VERY IMPORTANT For a long coating life, make sure you seal properly: drains, gullies and the perimeters of bathtubs and shower trays.

SITE TOOL

JOB SHEET.

YOUR SYSTEM, IN WRITING, IN 3 PHASES.

Record the decisions made in each phase and the checks carried out. A documented job is a job you can stand behind.

PROJECT / CLIENT _____

AREA (M²) _____ DATE _____

01 · SUBSTRATE PREPARATION

☐ **A · Traditional** ☐ **B · Uncoupling membrane***

*ADHESIVE / SELF-LEVELLING COMPOUND _____

02 · MICROQUARZ® SYSTEM

SYSTEM _____ COLOUR / CHART _____

☐ Interior wall ☐ Exterior wall ☐ Floor ☐ Commercial floor

☐ Decorative furniture ☐ Functional furniture ☐ Bathtub ☐ Shower tray

03 · PROTECTION SYSTEM

☐ Interior wall ☐ Exterior wall ☐ Floor ☐ Commercial floor

☐ Decorative furniture ☐ Functional furniture ☐ Bathtub ☐ Shower tray

NOTES _____

_____

APPLICATOR _____ SIGNATURE

04

PHASE 04 · USE AND MAINTENANCE

MADE TO LAST. CARED FOR, TO BE LIVED IN.

MicroQuarz® on floors is traffic-resistant, flexible and seamless, ideal for homes, commercial spaces and frequently used areas. Although it has high mechanical strength, a few simple guidelines preserve its condition. Share them with your client when you hand over the job.

PROTECTION AGAINST FURNITURE, LEGS AND POINT LOADS

01 PROTECTORS

Fit suitable protectors on the legs of chairs, tables, sofas, furniture, shelving, appliances and other heavy items.

02 SPREAD THE LOAD

Avoid heavy furniture resting on very small supports, hard castors or narrow metal legs. Increase the contact area with pads, technical felts, rigid bases or load-spreading plates.

03 SOFT CASTORS

On furniture with castors, use soft castors or bases and protectors that spread the load better.

04 NEVER DRAG

Don't drag furniture or heavy objects: lift them or protect the path first.

05 CHECK THE PROTECTORS

They can collect abrasive particles or harden over time.



RESULT These recommendations help preserve the appearance of the floor and reduce the risk of visible marks from concentrated loads.

PHASE 04 · USE AND MAINTENANCE

GENTLE CLEANING. A LIVING SURFACE.

Regular cleaning with neutral products helps preserve the feel, colour and protection of MicroQuarz® for years. Avoiding harsh products, abrasion and impacts helps keep the surface in good condition.



DAILY CLEANING

- Water with neutral detergent.
- Dust mop, microfibre mop or gentle scrubber-dryer, recommended for large areas.



ALWAYS AVOID

- ✖ Neat bleach, ammonia, hydrochloric acid or abrasive products.
- ✖ Stiff brushes, steel scourers or abrasive discs.



STUBBORN STAINS

For stubborn stains, heavy soiling or even deep daily cleaning: **FloorNet**, technical cleaner approved by Ecoresinas. Protocol on the next page.



VARNISH MAINTENANCE

Homes
No revarnishing needed if properly cared for.

Commercial and high traffic
Revarnish with **Finish SVT 85% Solids**. The frequency depends on the activity of the premises.

IN SHORT Neutral detergent and microfibre every day. FloorNet for the tough jobs. Never neat bleach, ammonia or abrasives.

PHASE 04 · PERSISTENT DIRT

SIX STEPS.
NO HARSHNESS.

Recommended product: FloorNet, technical cleaner approved by Ecoresinas. For deep cleaning of ingrained dirt or stains that don't come out with daily cleaning.

DILUTION

1 + 1:5 intensive use

FloorNet **Water**

Example: 200 ml of FloorNet per litre of water.

INGRAINED DIRT

up to 1 : 2

The concentration can be increased to 1 part FloorNet to 2 parts water if the dirt requires it.

01	**PREPARE THE MIX**	1 part FloorNet to 5 parts water (up to 1:2 for ingrained dirt).
02	**APPLY TO THE AREA**	Generously, with a microfibre mop. On localised areas, you can use a hand sprayer.
03	**LEAVE TO ACT**	3 to 5 minutes on the dirt. Don't let it dry on the surface.
04	**SCRUB GENTLY**	Soft sponge, soft-bristle brush or white cleaning pad (if using a machine), in circular movements until the stain is gone.
05	**RINSE WITH CLEAN WATER**	Wipe with a clean damp cloth or a well-wrung mop. Repeat the rinse if needed to leave no residue.
06	**LEAVE TO DRY**	Air-dry, without covering or walking on the area until it is completely dry.

NOTE If the dirt persists after treatment, repeat the process with the same instructions.

MicroQuarz®
by ecoresinas

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IMPERFECT. NATURAL. ALIVE.

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