Site manual

Microresina

 \rightarrow Microresina

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Microresina

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Microresina

Coloured water-based micro-resin with a matt finish for the re-design of all types of furnishing accessories, ceramic and wood coverings and floors.

Microresina is an elastic ultra-thin film for the recolouring of doors, internal and external frames and heating fixtures. Furthermore, it decorates existing ceramic coverings and joints, transforming them into surfaces with a clean, contemporary look.

Use

Microresina is ideal for:

- Wood, aluminium and PVC doors and window frames
- PVC and aluminium frames and plaques
- radiators, heated towel racks, lighting fixtures and metal furnishing accessories
- MDF, multilayer, or solid wood furniture
- previous ceramic coatings, glass mosaic, natural stone.

For internal and external use (on windows and window frames), in domestic

and commercial environments.



Preparation of substrates

Preparation

Warnings about substrates

- \rightarrow Temperature range for application: from +10 °C to +30 °C.
- → Relative environmental humidity: \leq 75%.

Suitable substrates

- \rightarrow New wood.
- \rightarrow Painted, veneered or melamine wood.
- \rightarrow New metal.
- \rightarrow Painted metal.
- \rightarrow Plastic (hard pvc) and laminated furnishing accessories.
- → Non-ferrous metals (aluminium).
- → Ceramic, glass mosaic and natural stone previous coatings.

Keragrip Eco Pulep

Organic preparation coat for treatment and cleaning of non-absorbent substrates.

 \rightarrow Painted wood, painted iron, PVC, ceramic tiles



Keradecor Sintcrom

Organic, mineral rust-preventive, anti-corrosive paint. \rightarrow NEW METAL



Products Pack - 2.5 | - 0.5 |



Coverage ≈ 150 - 200 ml/m² for 2 coats



Tools Brush and roller

ar 24 hours drying time

≈ 5-10 minutes

Time Waiting time for overlaying: ≈ 24 hours

Preparation of substrates

Microresina



New wood

- \rightarrow Apply one coat of **Microresina** diluted to 10-15% as a base.
- \rightarrow Sand the 1st base coat after it has fully dried until an even and smooth surface is achieved.



PAINTED, VENEERED OR MELAMINE WOOD

→ Sand the surface with a pad (Scotch-Brite), remove any debonded part with sandpaper and then clean with a cloth soaked in Keragrip Eco Pulep.

Tip: Wallpaper may be used to grout any imperfection.



NEW METAL

- \rightarrow Use a wire brush to eliminate rust or mill scale.
- → Clean the surface and apply Keradecor Sintcrom rust-preventive paint.



PAINTED METAL

 \rightarrow Sand the surface with a pad (Scotch-Brite) and then clean with a cloth soaked in Keragrip Eco Pulep.

Tip: if any rust is present in areas showing debonded paint, remove carefully and apply Keradecor Sintcrom.

Preparation of substrates

Microresina



PLASTIC (HARD PVC) AND LAMINATED FURNISHING ACCESSORIES

→ Sand the surface with a pad (Scotch-Brite) and clean with a cloth soaked in **Keragrip Eco Pulep**.



Aluminium

→ Sand the surface with a pad (Scotch-Brite) and clean with a cloth soaked in **Keragrip Eco Pulep**.



Ceramic, glass mosaic and natural stone previous coatings

- \rightarrow Check the moisture in the joints (< 2% CM) before applying.
- → Prepare the surface by passing a cloth soaked in Keragrip Eco Pulep over it.
- \rightarrow Before application, check that the temperature of the ceramic surface is warmer than +10 °C.

Tip: check the uniformity of the grouts, if necessary proceed with localised re-grouting. Check that no silicone or acetic sealants have been used; if that is the case, remove them with suitable products in order to eliminate any oily film.

Application

Preparation

- → Before use, stir part A, add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Dilute using clean water up to 10% and mix again.
- \rightarrow Use the prepared material within 1.5 hours from mixing.

Microresina

Coloured water-based micro-resin with a matt finish for the re-design of all types of furnishing accessories, ceramic and wood coverings and floors.



Products

Pack - (1+0,2) 1,2 kg e (2,5+0,5) 3 kg



Coverage

≈ 300 ml/m² for 2-3 coats Dilution – max 10%



Tools

Brush, roller, spray gun



Time

Waiting time between 1^{st} and 2^{nd} coat: \approx 6-12 hours (on ceramic tiles) Waiting time between subsequent coats: \approx 2-12 hours

Application

Microresina



- \rightarrow Add part B to part A in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Use the prepared material within 1.5 hours from mixing.



- → Microresina must be applied with a roller over the whole surface in 2-3 coats, diluted to a maximum of 10%.
- \rightarrow On non-absorbent surfaces apply the first coat pure.
- \rightarrow Leave at least 6 hours between the first and second coats.



- \rightarrow Waiting time between subsequent coats \approx 2-12 hours.
- → If more than 12 hours elapses between one coat and the next, sand lightly with a Softpad abrasive before applying the subsequent coat.



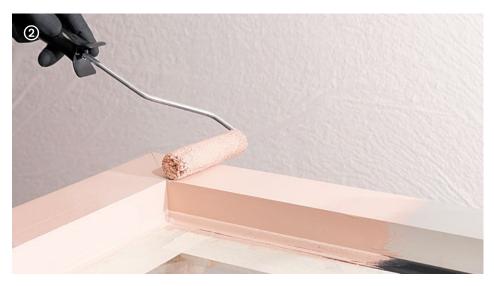
→ After application, the surfaces must be protected against dust, water and humidity until the film has dried completely.

Application

Microresina



→ On irregular surfaces, Microresina may be applied by brush in two, three or more coats until the required coverage is achieved (according to the colour used).



 \rightarrow **Microresina** can be applied with a short-bristle roller, such as Roller Plus, or a sponge roller.

Tip: avoid air currents in the first half hour after application. Afterwards, a fan may be used in order to speed up drying times.



- \rightarrow **Microresina** can be applied by spraying.
- → Dilute the product using water to a maximum of 30%, according to the system and the vertical/horizontal type of application.

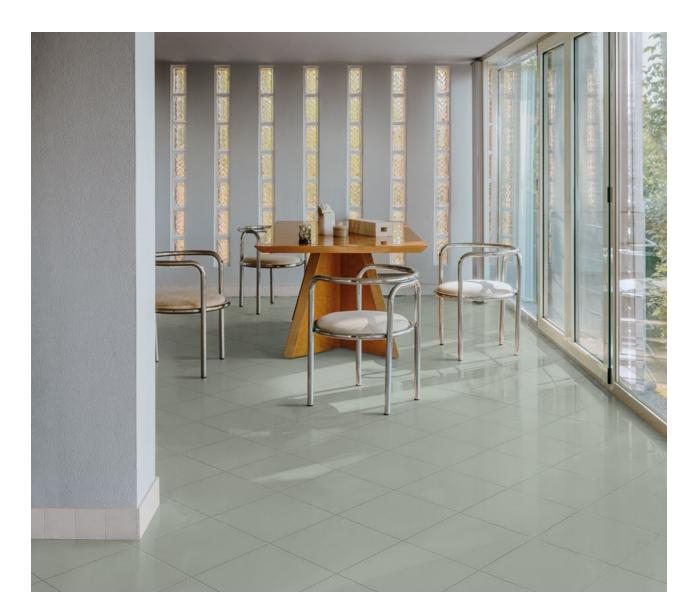


Tip: be careful not to overload the surface in order to avoid drips or droplets.

MicroresinaFloor

Water based coloured ultra-thin film. Ideal to re-design already existing ceramic, cement and resin floors.

Microresina Floor renews floors with elegance and simplicity, enhancing patterns, textures and irregularities to refresh your rooms and give them a clean, contemporary look.



Use

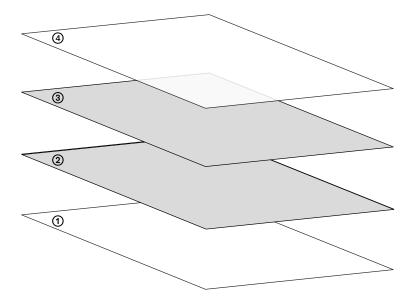
Microresina Floor is ideal for:

- existing ceramic tile floors
- cement floors (concrete).

For internal use, in domestic and commercial environments with

medium foot traffic.

Suitable for heated substrates and showers.



① Layer → Priming, according to the substrate

Keragrip Eco Pulep

② Layer \rightarrow Coloured base

Microresina Zero

③ Layer \rightarrow Coloured finish

Microresina

 $\textcircled{\textbf{ 0 Layer}} \rightarrow \textbf{Transparent protective}$

Microresina Xtreme

① Layer → Priming

Preparation

Warnings about substrates

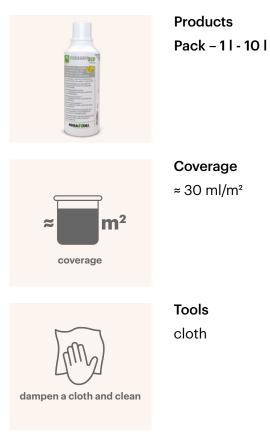
- \rightarrow The substrates must be permanently dry and free from rising damp.
- → Maximum residual moisture on cement based and ceramic substrates: < 2%.</p>
- \rightarrow Temperature range for application from +10 °C to +30 °C.
- → Relative environmental humidity: ≤ 75%

Suitable substrates

- → existing wall and floor coverings in single and double-fired ceramics, porcelain tiles, glass mosaic, cotto, natural stone treated with Keragrip Eco Pulep.
- → cement floors (concrete).

Keragrip Eco Pulep

Eco-friendly, organic preparation coat for treatment and cleaning of non-absorbent substrates.





Time

Waiting time for overlaying: ≈ 5-10 minutes for the subsequent application of **Microresina Zero**

① Layer → Priming Keragrip Eco Pulep



On existing ceramic coverings, glass mosaic and natural stone

 \rightarrow Prepare the substrate made of ceramic with Keragrip Eco Pulep.

Tip: do not pour the adhesion promoter directly onto the floor in order to avoid damping the joints too much.

Checking the joints and possible grouting

- → If the floor joints are broken or discontinuous, remove the damaged parts and vacuum the residues.
- → If necessary, proceed with re-grouting using a cement-based grout from the Fugabella range (it is advisable to choose the same finish as the existing joints) or an organic grout from the Fugalite range (fine finish).



On cement or concrete

- → After suitable preparation and careful cleaning, apply EP21 diluted up to 30% with **Keragrip Eco Pulep**.
- → Wait for 6 hours and apply a 2^{nd} coat of EP21 diluted up to 10% with **Keragrip Eco Pulep**.
- → Evenly spread the primer over the surface and avoid creating any build-up.

② Layer →Coloured base

Preparation

- → Before use, stir part A, add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Dilute using clean water up to 10% and mix again.

Microresina Zero

Coloured micro-resin base coat for the re-design of existing floors with medium foot traffic.



Products

Pack - (1,5+0,3) 1,8 kg e (5+1) 6 kg



Coverage

≈ 200 g/m² in one coat Dilution – max 10%



Tools

Roller



Time

Waiting time between subsequent coats: ≈ 6 hours (+30 °C) / 16 hours (+10 °C)

$\textcircled{2} \textbf{Layer} \rightarrow \textbf{Coloured base}$

Microresina Zero



- \rightarrow Stir part A before use. Add part B in the ratio part A : part B = 5 : 1 and mix until completely blended.
- \rightarrow Dilute the product up to 10% by weight using water and mix again.



→ Shape the corners with a brush or a small roller as you gradually proceed, so that the product can always be overlaid wet-on-wet.



- → On smooth substrates, apply **Microresina Zero** with a short-bristle roller.
- \rightarrow In case of particularly irregular substrates or large joints, use 8-10 mm long-bristle rollers.



Tip: carefully and evenly apply the product in the joints as well. In joint areas, blend together by lifting up the roller, in order not to leave excess amounts of material.

Preparation

- → Before use, stir part A, add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Dilute using clean water up to 10% and mix again.
- \rightarrow Use the prepared material within 1.5 hours from mixing.

Microresina

Coloured water-based micro-resin with a matt finish for the re-design of all types of furnishing accessories, ceramic and wood coverings and floors.



Products

Pack - (1+0,2) 1,2 kg e (2,5+0,5) 3 kg



Coverage

≈ 100 g/m² in one coat Dilution – max 10%



hours

drying time

Tools Roller

Time

Waiting time between subsequent coats: ≈ 2-12 hours

$\textcircled{3} \textbf{Layer} \rightarrow \textbf{Coloured finish}$

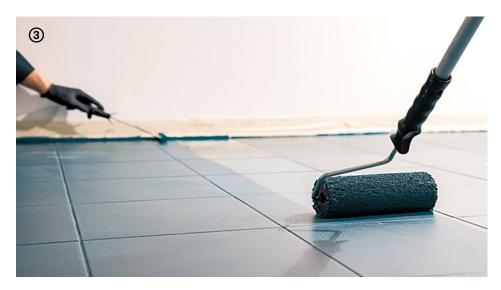
Microresina



→ The Microresina Zero supporting layer must be carefully prepared: sand with a sander or floor buffer with Carboplus Sic 220 abrasive pad to even the surface; clean thoroughly with a vacuum in order to remove all sanding residues.



- → Microresina: add part B to part A in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Dilute the product up to 5-10% using water and mix again.



- → Shape with a small roller or brush as you gradually proceed, so that the product can always be overlaid wet-on-wet.
- \rightarrow Apply in a criss-cross manner, evening out the product.



Tip: in overlapping areas, blend together by lifting up the roller, in order not to leave excess amounts of material. When applying in several connected rooms, leave gaps at the thresholds connecting the rooms by using the joints as breaks.

④ Layer → Transparent protective

Preparation

- ightarrow Shake part A before use and pour it into a clean tray.
- \rightarrow Add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1.
- \rightarrow Mix well, then dilute 10% using clean water and mix again.

Microresina Xtreme

Transparent, water based micro-resin for the protection of Microresina Floor.



Products

Pack - (1+0,2) 1,2 | e (2,5+0,5) 3 |



Coverage

≈ 120 ml/m² for two coats Dilution – max 5-10%



Tools

Roller



Time

Waiting time between subsequent coats: $\ge 2-3$ hours If more than 12 hours elapse, lightly sand with **Softpad**.

$\textcircled{\textbf{ 0 Layer}} \rightarrow \textbf{Transparent protective}$

Microresina Xtreme



- \rightarrow Shake part A before use and pour it into a clean tray.
- \rightarrow Add the hardening compound whilst stirring in the ratio part A : part
- B = 5 : 1. Mix well, then dilute 10% using clean water and mix again.



- → Apply 2 coats of **Microresina Xtreme** with **Roller Plus** or a flat brush respecting the coverage of \approx 60 ml/m² per coat.
- → Waiting time for the overlaying of successive coats of Microresina Xtreme: ≈ 2-3 hours.



 \rightarrow If the second coat is applied within 12 hours it is not necessary to sand the surface.

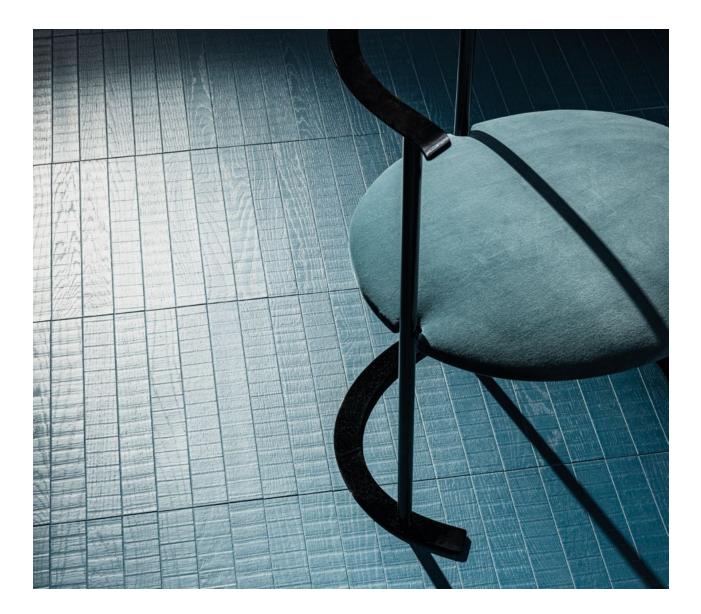
 \rightarrow If a period of over 12 hours has passed, sand with **Softpad**.

Tip: ready for use in domestic environments \approx 2-4 days (foot traffic), ventilate all environments, do not cover, do not wash and do not walk on for at least 48 hours.

MicroresinaParquet

Water-based, coloured micro-film, ideal to decorate and protect Legno+Color floors and to re-design parquet floors.

Microresina Parquet allows old hardwood floors to be renovated with a contemporary style, guaranteeing new colouring of the wood directly on site.



Use

Microresina Parquet is ideal for:

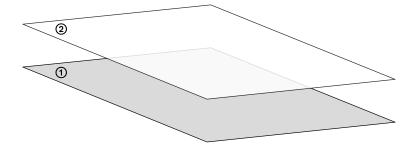
- decoration and protection of Legno Small, Legno Medium, Legno

Large floors

- re-design of existing oak wood floors
- re-design of existing floors made of any wood other than oak.

For internal use, in domestic and commercial environments with high

levels of foot traffic.



① Layer \rightarrow Coloured finish

Microresina

② Layer \rightarrow Transparent protective

Microresina Xtreme

Preparation of substrates

Preparation

Warnings about substrates

- → The hardwood floor must be bonded, stable and its moisture must be between 9 and 11%.
- \rightarrow Temperature range for application: from +10 °C to +30 °C.
- → Relative environmental humidity: \leq 75%.

Suitable substrates

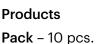
- → Legno Large, Legno Medium, Legno Small floors.
- \rightarrow Floors made of oak.
- → Wood floors made of any wood other than oak treated with Primer Antitannino.

Softpad

Synthetic pad abrasive system with incorporated abrasive grain designed to give extra-fine, continuous and localised sanding even on irregular substrates.

- \rightarrow Legno Large, Legno Medium, Legno Small floors / Oak floors
- \rightarrow Wood floors made of any wood other than oak treated with **Primer Antitannino**





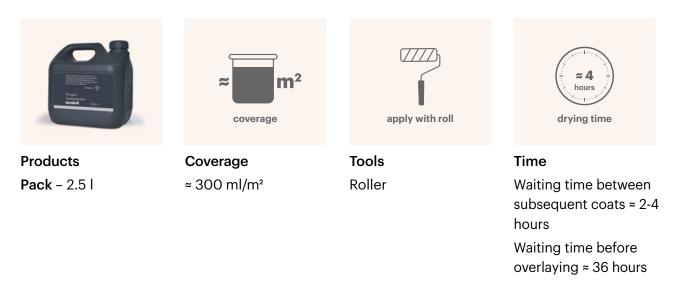


Coverage ≈ 25 m² for side

Primer Antitannino

Transparent base coat varnish for anti-tannin treatment of wooden floors before applying Microresina Parquet.

\rightarrow Wood floors made of any wood other than oak



Preparation of substrates

Microresina Parquet



LEGNO LARGE, LEGNO MEDIUM, LEGNO SMALL

→ Clean the hardwood floor from any hardened adhesive residues, taking care to eliminate any trace or stain with 60-grain sandpaper along both the vein and the texture. Sand with **Softpad** and vacuum with care.



Floors made of oak

→ Sand the hardwood floor, taking care to eliminate any trace of previous treatments. In order to enhance the grain of the wood and obtain a more material effect, wire brush the surface using specific equipment. Sand with **Softpad**, vacuum with care.



WOOD FLOORS MADE OF ANY WOOD OTHER THAN OAK

- → Polish and sand the hardwood floor, taking care to eliminate any trace of previous treatments. On woods that allow it, in order to enhance the grain and obtain a more material effect, wire brush the surface using specific equipment.
- → To avoid the rising of tannin and other dyes, apply Primer Antitannino respecting the coverage of 300 ml/m² following the instructions of the technical data sheet.
- \rightarrow Sand with **Softpad**, vacuum with care.
- \rightarrow Waiting time between subsequent coats 2 4 hours.
- \rightarrow Waiting time for overlaying after the 3rd coat, 36 hours.

$\textcircled{\ } 1 Layer \rightarrow \\ Coloured finish$

Preparation

- → Before use, stir part A, add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1 and mix well until completely blended.
- \rightarrow Dilute using clean water up to 10% and mix again.
- \rightarrow Use the prepared material within 1.5 hours from mixing.

Microresina

Coloured water-based micro-resin with varnished matt finish to decorate Legno+Color floors and to re-design hardwood floors.



Products

Pack - (1+0,2) 1,2 kg e (2,5+0,5) 3 kg



Coverage

 \approx 220 g/m² for two coats Dilution – max 10%



Tools

Roller



Time

Waiting time between subsequent coats: ≈ 3-4 hours

$\textcircled{1} \textbf{Layer} \rightarrow \textbf{Coloured finish}$

Microresina



→ Evenly apply the 1st coat of **Microresina** with **Roller Plus** respecting the coverage of \approx 110 g/m².



Tip: apply first the product in one direction and then in the other, in order to obtain a complete and even coverage of both the texture and the chamfer.



 \rightarrow After \thickapprox 3-4 hours, sand with **Softpad**, vacuum with care.



→ Evenly apply the 2^{nd} coat of Microresina with **Roller Plus** respecting the coverage of ≈ 110 g/m².

Tip: leave overlaps along the vein, avoid large overlaps or overlapping over long periods. If necessary, create distinct gaps along the vein or over doors and doorways.

② Layer \rightarrow Transparent protective

Preparation

- ightarrow Shake part A before use and pour it into a clean tray.
- \rightarrow Add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1.
- \rightarrow Mix well, then dilute 10% using clean water and mix again.

Microresina Xtreme

Transparent water based micro-resin with matt finish for the protection of Legno+Color floors and the re-design of hardwood floors.



Products

Pack - (1+0,2) 1,2 | e (2,5+0,5) 3 |



Coverage

≈ 80 ml/m² in one coat
 ≈ 160 ml/m² for two coats (for heavy foot traffic)

Dilution – max 10%



Tools

Roller



Time

Waiting time between subsequent coats: \approx 2-3 hours If more than 12 hours elapse, lightly sand with **Softpad**.

② Layer \rightarrow Transparent protective

Microresina Xtreme



→ Evenly apply Microresina Xtreme with Roller Plus respecting the coverage of ≈ 80 ml/m².

Tip: leave overlaps along the vein, avoid large overlaps or overlapping over long periods. If necessary, create distinct gaps along the vein or over doors and doorways, using adhesive paper tape if need be.



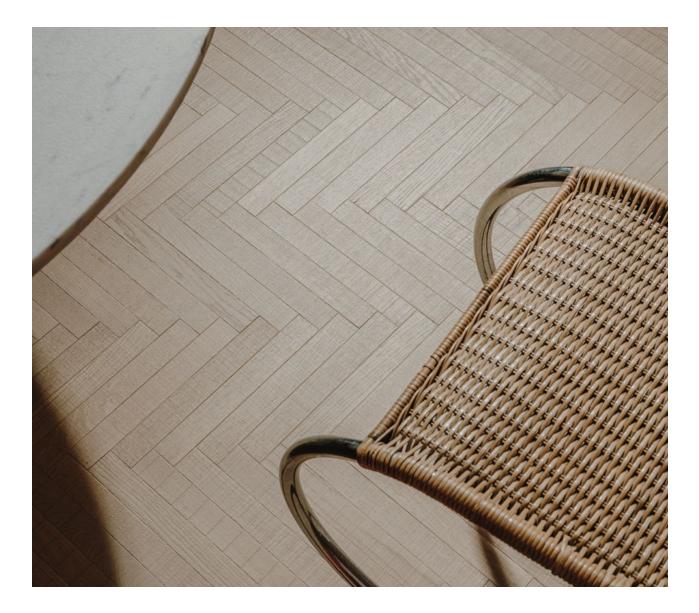
AREAS SUBJECT TO HEAVY FOOT TRAFFIC

→ After approximately 2-3 hours and in any case within 12 hours, evenly apply a further coat of Microresina Xtreme with Roller Plus, respecting the coverage of ≈ 80 ml/m².

→ If a period of over 12 hours has passed, sand with **Softpad**. Tip: ready for use in domestic environments after \approx 2-4 days (foot traffic), in commercial environments after \approx 7-10 days, ready for washing/contact with water after \approx 48 hours.

Legno+Color Nat

Natural wood-effect finishing cycle for Legno+Color floors and the re-design of existing oak hardwood floors.



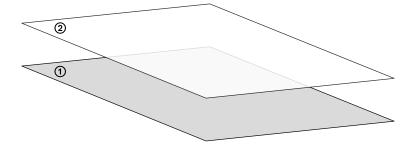
Use

Legno+Color Nat is ideal for:

- decoration and protection of Legno Small, Legno Medium, Legno
 - Large floors
- re-design of existing oak wood floors

For internal use, in domestic and commercial environments with high

levels of foot traffic.



① Layer \rightarrow Smoothing base

Legno Nat Base

② Layer \rightarrow Transparent protective

Microresina Xtreme

Preparation of substrates

Preparation

Warnings about substrates

- \rightarrow Temperature range for application: from +10 °C to +30 °C.
- → Relative environmental humidity: \leq 75%.

Suitable substrates

- → Legno Large, Legno Medium, Legno Small oak floors.
- → Oak wood floors, brushed finish.
- → For internal use, in domestic and commercial environments with medium foot traffic.
- \rightarrow Suitable for heated substrates.

Softpad

Synthetic pad abrasive system with incorporated abrasive grain designed to give extra-fine, continuous and localised sanding even on irregular substrates.

 \rightarrow Legno Large, Legno Medium, Legno Small floors / Oak floors



Products Pack - 10 pcs.



Coverage

≈ 25 m² for side

① Layer → Smoothing base

Preparation

The product is ready-to-use

- → Carefully shake before use.
- \rightarrow Poor the product into a clean container of a suitable size.
- \rightarrow During application remix the product in the container.

Legno Nat Base

Natural-effect, single component, water-based preparation coat. To be used for base preparation in the Legno+Color Nat cycle.



Products Pack – 2.2 l



Coverage

- \approx 100 ml/m² for Legno Large, Legno Medium, Legno Small
- \approx 100-150 ml/m² for traditional oak wood floors



Tools

Roller



Time

Waiting time for overlaying with **Microresina Xtreme**: ≈ 4 hours after sanding down

$\textcircled{} 1 \text{Layer} \rightarrow \textbf{Smoothing base}$

Legno Nat Base



LEGNO LARGE, LEGNO MEDIUM, LEGNO SMALL

→ Clean the hardwood floor from any hardened adhesive residues, taking care to eliminate any trace or stain with 60-grain sandpaper along both the vein and the texture. Sand with **Softpad** and vacuum with care.



Floors made of oak

→ Sand the hardwood floor, taking care to eliminate any trace of previous treatments. In order to enhance the grain of the wood and obtain a more material effect, wire brush the surface using specific equipment. Sand with **Softpad**, vacuum with care.



→ Evenly apply Legno Nat Base with Roller Plus respecting the coverage of ≈ 100 ml/m².

Tip: apply first the product in one direction and then in the other; evenly and gradually apply the product as it is absorbed.



- → After ≈ 4 hours, evenly and lightly sand Legno Nat Base with Softpad; do not break through the applied coat.
- \rightarrow Carefully vacuum to remove all sanding dust.

Tip: be careful not to leave any marks on the sanded and vacuumed floor, remove any stain/footprint with **Softpad**.

② Layer \rightarrow Transparent protective

Preparation

- ightarrow Shake part A before use and pour it into a clean tray.
- \rightarrow Add the hardening compound whilst stirring in the ratio part A : part B = 5 : 1.
- \rightarrow Mix well, then dilute 10% using clean water and mix again.

Microresina Xtreme

Water-based transparent micro-resin with matt finish for the protection of Legno+Color Nat floors.



Products

Pack - (1+0,2) 1,2 | e (2,5+0,5) 3 |



Coverage

≈ 240 ml/m² in three coats Dilution – max 5-10%



Tools

Roller



Time

Waiting time between subsequent coats: \approx 2-3 hours If more than 12 hours elapse, lightly sand with **Softpad**.

② Layer \rightarrow Transparent protective

Microresina Xtreme



→ Evenly apply three coats of **Microresina Xtreme** with **Roller Plus** respecting the coverage of ≈ 80 ml/m².

Tip: apply first the product in one direction and then in the other, in order to obtain a complete and even coverage of both the texture and the chamfer.

Leave overlaps along the vein, avoiding large overlaps or overlapping over long periods. If necessary, create distinct gaps along the vein or over doors and doorways, using adhesive paper tape if need be.



- → Waiting time before overlaying between coats, minimum 2-3 hours, maximum 12 hours.
- \rightarrow If the second or third coat are applied within 12 hours it is not necessary to sand the surface.

\rightarrow If a period of over 12 hours has passed, sand with **Softpad**.

Tip: ready for use in domestic environments after \approx 2-4 days (foot traffic), in commercial environments after \approx 7-10 days, ready for washing/contact with water after \approx 48 hours.

Surfaces and Uses

Surfaces

paints	Absolute Decor	
Resin-based Coating materials	Decorative coverings Wallcrete Living Wallpaper Living Patina Living Stripe Living	Technical coverings* Wallcrete Wallpaper Patina
Microresina	Microresina Microresina Floor Microresina Parquet	
Cementoresina	Cementoresina Cementoresina Wall	
Legno+Color	Legno+Color S, M, L	
Finishes for external application	Outdoor Paint Outdoor Plaster	
Skirting board	Invisibile	

Use

Walls and ceilings	Absolute Decor
Decorative walls	Wallcrete Living Wallpaper Living Patina Living Stripe Living
Technical walls*	Wallcrete Wallpaper Patina Cementoresina Wall
Floors	Cementoresina Legno+Color S, M, L Microresina Floor Microresina Parquet
Re-color**	Microresina
External facades	Outdoor Paint Outdoor Plaster

* Walls of bathrooms and kitchens.

** Doors, internal and external fixtures, joinery and ceramic coverings.

Kerakoll Spa via dell'Artigianato 9 41049 Sassuolo (MO) Italy T +39 0536 816 511 info@kerakoll.com

Kerakoll Brera Studio via Solferino 16 20121 Milano (MI) Italy T +39 02 620 867 81

N.B.

This Site manual has been drafted on the basis of the best technical and practical knowledge of Kerakoll S.p.A.

It is, however, a set of guides and information of a general nature that do not consider the real situations of individual structures; therefore, the coverage information is to be considered merely indicative.

Kerakoll does not intervene directly in the building site conditions, the specific design of the project, and the execution of the work; the information and guidelines mentioned here do not commit Kerakoll in any way.

The designer in charge is responsible for the entire structural design in accordance with Italian Ministerial Decree 17/01/2018 and its amendments or additions.

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kerakoll.com