



TECHNICAL GUIDE FOR THE BUILDING SITE

LAYING GUIDE FOR HARDWOOD FLOORS



Together with nature we
can build the future.

KERA**KOLL**
The GreenBuilding Company

STANDARDS, REGULATIONS, CERTIFICATES AND LABELLING

EUROPEAN STANDARDS AND REGULATIONS

EN standards are technical specifications adopted by CEN, the European Committee for Standardisation, which defines the requirements of a product. When harmonised, they are used for compliance assessment, classification and compulsory CE marking of products.

EU regulations are binding legal documents that must be applied in all parts, throughout the European Union, to apply these standards.

CE directives are legal documents that establish a goal that all EU countries have to implement and put into practice. Examples of harmonised standards mentioned in the guide are:

EN 13813: substrate preparation coats

REGULATIONS

For example, EU regulation No 305/2011 sets the conditions for marketing of building products, setting the description of their performance based on essential characteristics and the use of CE marking.

DIRECTIVES

For example, directive 2004/42/CE defines and regulates the maximum solvent content in primers, paints, varnishes, etc...both solvent-based and water-based, setting specific limits for individual categories and involving the need for marking.

Direttiva 2004/42/CE - Categoria H, sottocategoria BS < 750 g/l (2010)
SLC ECO EP21 < 1 g/l COV
Directive 2004/42/EC - Category H, subcategory SB < 750 g/l (2010)
SLC ECO EP21 < 1 g/l VOC

Example of CE label for a substrate preparation coat

NATIONAL STANDARDS AND REGULATIONS

Every country has national technical standards, technical rules, codes of practice, regulations, etc... that need to be assessed before using the options proposed.

Examples of this may be:

BS for Great Britain, **DIN** for Germany, **CSTB** for France, **UNI** for Italy, **SIA** for Switzerland, etc....

GEV-EMICODE CERTIFICATION

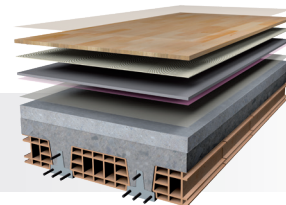
The EMICODE® classification system issued by GEV (the German Association controlling volatile organic compound emissions) defines products according to the quantity of VOC emitted.



HARDWOOD FLOORS LAYING SYSTEMS



**HARDWOOD FLOOR LAYING
ON CEMENT-BASED SCREED**



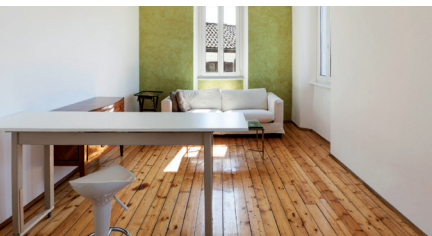
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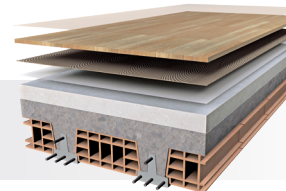
**HARDWOOD FLOOR
LAYING ON TIMBER
SUBSTRATES**



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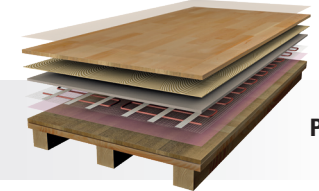
**HARDWOOD FLOOR LAYING
ON ANHYDRITE SCREED OR
GYPSUM PANELS**



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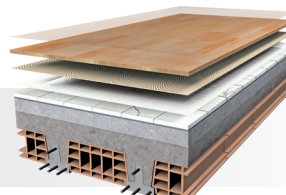
**HARDWOOD FLOOR LAYING
ON TIMBER SUBSTRATES
WITH HEATING SYSTEM**



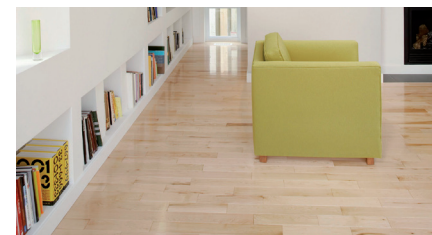
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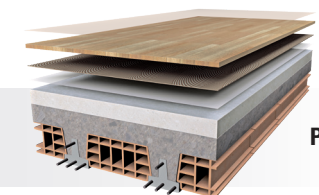
**HARDWOOD FLOOR
LAYING ON EXISTING
CERAMIC TILE FLOORS**



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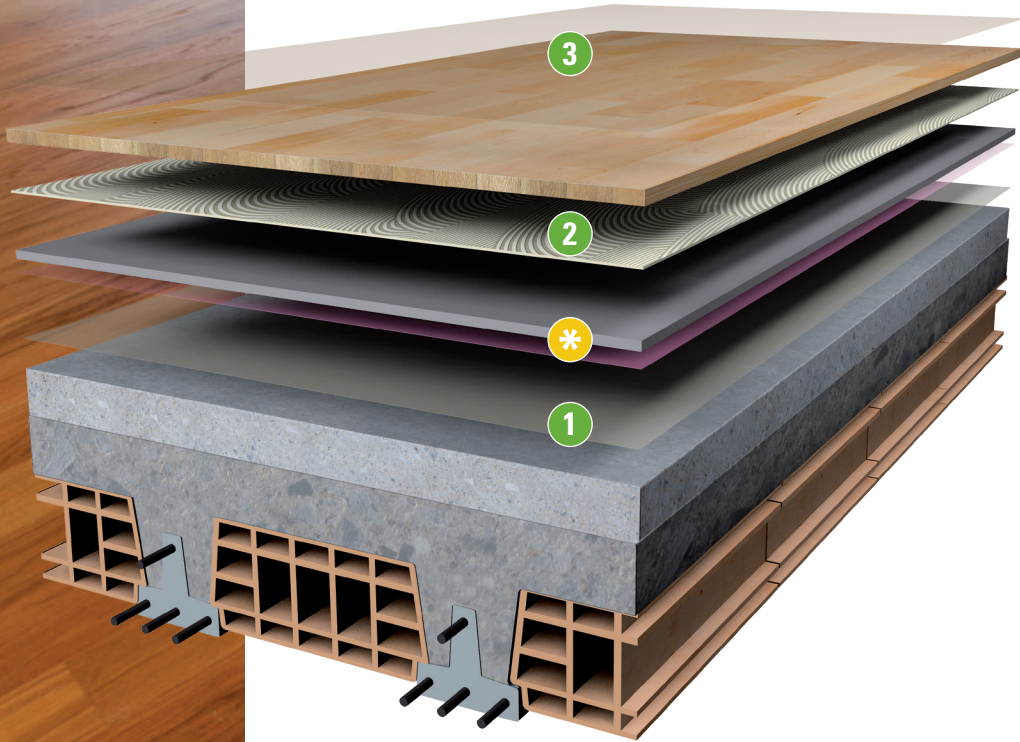
**QUICK SYSTEM FOR
HARDWOOD FLOOR LAYING**



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HARDWOOD FLOOR LAYING ON CEMENT-BASED SCREED

- Guarantees safe laying of solid hardwood and engineered wood flooring on traditional sand and cement screeds
- Ideal for new builds and renovations
- Easy and simple long-term hardwood floor finishing that respects and enhances the natural qualities of the wood
- Easy to maintain
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators

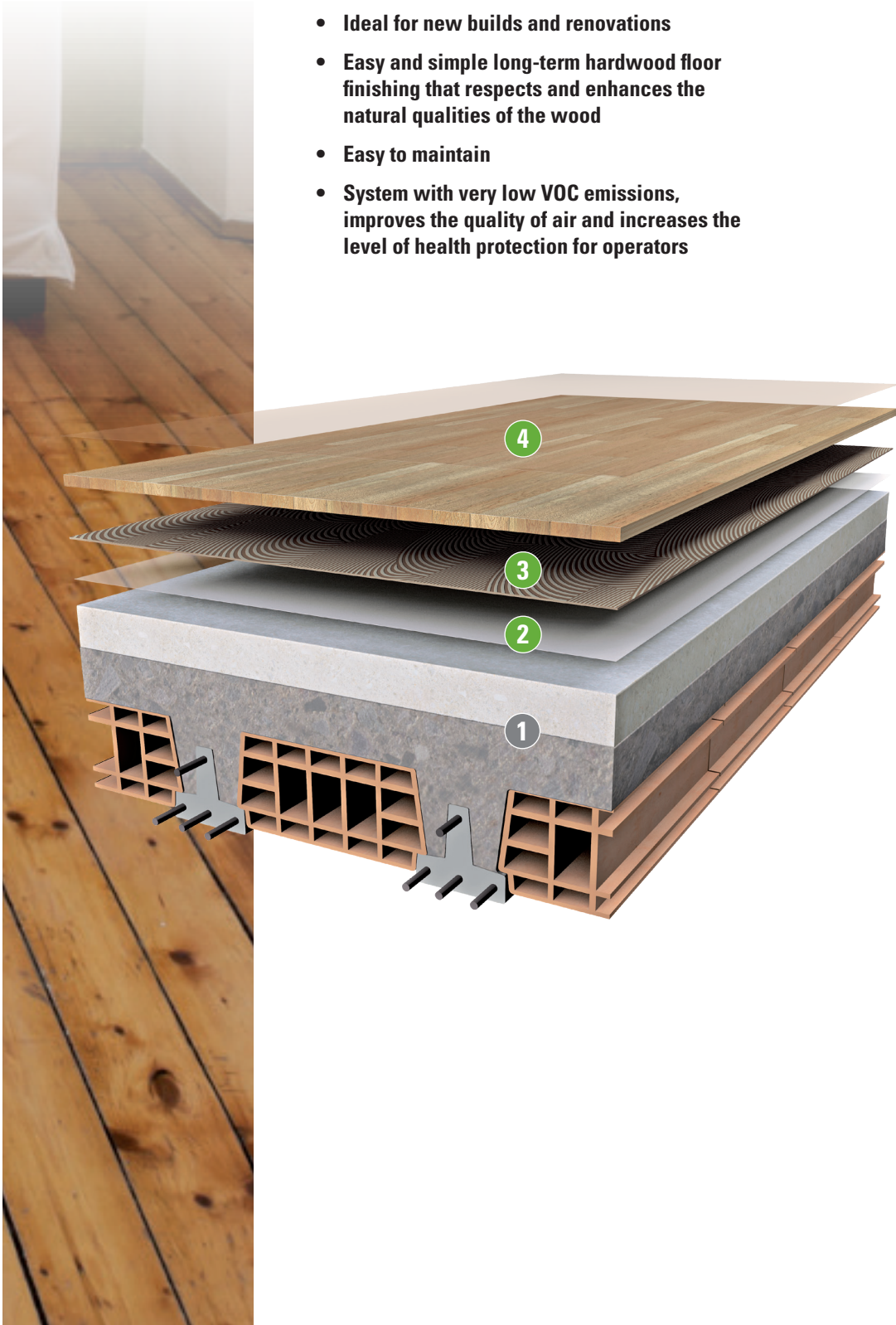


3 FINISHING OF HARDWOOD FLOORS									
eco3		Treatment ≈ 200 g/m²		Slc® Eco Aqua-Pur HPX 2004 / 42 / CE					
		Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.							
2 LAYING HARDWOOD FLOORS									
eco5		Coverage ≈ 1.2 kg/m² (Slc® spreader no. 4)		Slc® Eco L34 Flex New EN 14293					
		Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.							
* OPTIONAL: SUBSTRATE LEVELLING									
eco4		Levelling ≈ 1.8 kg/m² per mm of thickness		Keratech® Eco R30 CT C30-F6 - EN 13813					
		Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance, high-thickness correction of irregular substrates, ideal for use in GreenBuilding.							
A	eco5	Preparation of screed treated with Slc® Eco EP21 ≈ 0.1-0.2 kg/m²		Keragrip Eco 2004 / 42 / CE					
		Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates, ideal for use in GreenBuilding.							
B	eco5	Preparation of untreated screed ≈ 0.15 – 0.25 kg/m²		Primer A Eco 2004 / 42 / CE					
		Certified, eco-friendly, water-based surface isolation for dry, absorbent mineral/cement/gypsum or anhydrite-based substrates, ideal for use in GreenBuilding.							
1 PREPARATION OF SUBSTRATE									
WITH CRACKS	eco1	Sealing of cracks ≈ 1.7 kg/ℓ		Kerarep Eco					
		Eco-friendly, extra-rapid bonding agent to restore gaps and cracks in mineral and concrete screeds, ideal for use in GreenBuilding.							
HUMIDITY > 2% < 5% cm	eco3	Waterproofing ≈ 0.4 kg/m²	1 st coat	2 nd coat	Slc® Eco EP21 2004 / 42 / CE				
			YES	YES			Certified, eco-friendly, organic resin for the consolidation of absorbent substrates and the covering and waterproofing of absorbent mineral or cement-based substrates with high residual moisture, ideal for use in GreenBuilding.		
HEATING SYSTEM		Consolidation ≈ 0.2 kg/m²	1 st coat	2 nd coat					
			YES	—					
WITH DUST		Consolidation ≈ 0.2 kg/m²	1 st coat	2 nd coat					
			YES	—					
eco5		Preparation of the screed ≈ 16 – 18 kg/m² per cm of thickness	Keracem® Eco Pronto CT C30-F6 - EN 13813						
		Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives, ideal for use in GreenBuilding.							



HARDWOOD FLOOR LAYING ON ANHYDRITE SCREED OR GYPSUM PANELS

- Guarantees safe laying of hardwood flooring on anhydrite screeds, gypsum panels, plasterboard, substrate dry-lining sheets
- Ideal for new builds and renovations
- Easy and simple long-term hardwood floor finishing that respects and enhances the natural qualities of the wood
- Easy to maintain
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



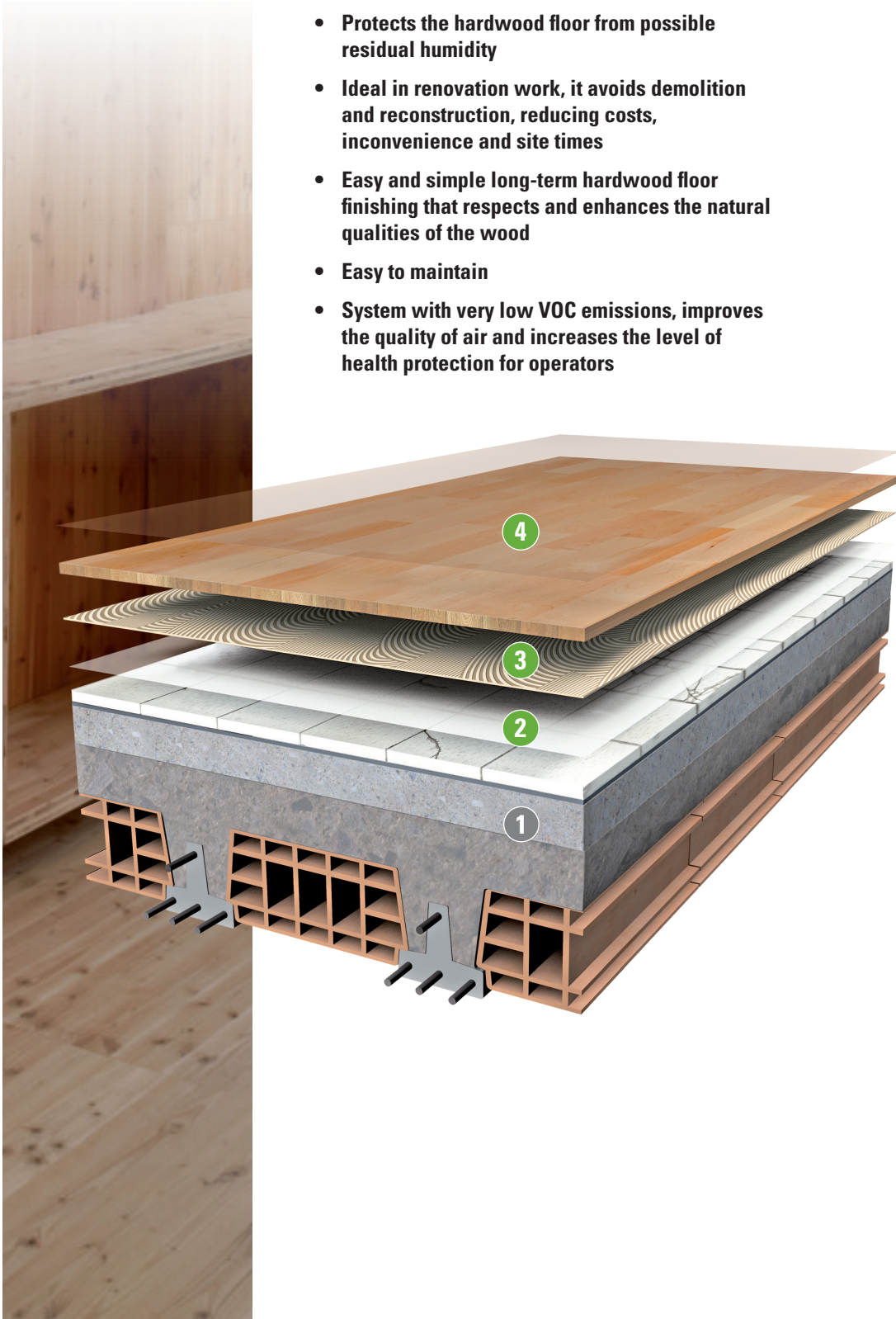
4 FINISHING OF HARDWOOD FLOORS						
4		Treatment ≈ 200 g/m²		Slc® Eco Aqua-Pur HPX 2004 / 42 / CE		
				Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.		
3 LAYING HARDWOOD FLOORS						
3		Coverage ≈ 1.2 kg/m² (Slc® spreader no. 4)		Slc® Eco L34 Flex New EN 14293		
				Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.		
2 PREPARATION OF SUBSTRATE						
GYPSUM PANELS		Consolidation ≈ 0.2 kg/m²	1 st coat	2 nd coat	Slc® Eco EP21 2004 / 42 / CE Certified, eco-friendly, organic resin for the consolidation of absorbent substrates and the covering and waterproofing of absorbent mineral or cement-based substrates with high residual moisture, ideal for use in GreenBuilding.	
			YES	—		
ANHYDRITE		Consolidation ≈ 0.2 kg/m²	1 st coat	2 nd coat		
			YES	—		
1 PREPARATION OF SUBSTRATE						
Follow the recommendations for substrate preparation given on page 19						





HARDWOOD FLOOR LAYING ON EXISTING CERAMIC TILE FLOORS

- Guarantees safe laying of solid hardwood and engineered wood flooring on existing ceramic tile floors
- Protects the hardwood floor from possible residual humidity
- Ideal in renovation work, it avoids demolition and reconstruction, reducing costs, inconvenience and site times
- Easy and simple long-term hardwood floor finishing that respects and enhances the natural qualities of the wood
- Easy to maintain
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



4						FINISHING OF HARDWOOD FLOORS							
		Treatment ≈ 200 g/m ²				Slc® Eco Aqua-Pur HPX 2004 / 42 / CE		Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.					
		3						LAYING HARDWOOD FLOORS					
		Coverage ≈ 1.2 kg/m ² (Slc® spreader no. 4)				Slc® Eco L34 Flex New EN 14293		Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.					
		2						PREPARATION OF SUBSTRATE					
		Waterproofing ≈ 500 ml/m ²		1 st coat		2 nd coat		Slc® Eco 3CW Eco-friendly, organic system to waterproof non-absorbent substrates with a high level of residual humidity, ideal for use in GreenBuilding.					
				YES		YES							
		Preparation ≈ 30 ml/m ²				Keragrip Eco Pulep		Eco-friendly, organic preparation coat for treatment and cleaning of non-absorbent substrates, ideal for GreenBuilding.					
1						PREPARATION OF SUBSTRATE							
Follow the recommendations for substrate preparation given on page 19													



HARDWOOD FLOOR LAYING ON TIMBER SUBSTRATES

- Guarantees safe laying of solid hardwood and engineered wood flooring on existing wooden floors and on wooden panels
- Ideal in renovation work, it avoids demolition and reconstruction, reducing costs, inconvenience and site times
- Easy and simple long-term hardwood floor finishing that respects and enhances the natural qualities of the wood
- Easy to maintain
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators



3		FINISHING OF HARDWOOD FLOORS		
		Treatment $\approx 200 \text{ g/m}^2$		
		Slc® Eco Aqua-Pur HPX 2004 / 42 / CE		
		Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.		
2		LAYING HARDWOOD FLOORS		
		Coverage $\approx 1.2 \text{ kg/m}^2$ (Slc® spreader no. 4)		
		Slc® Eco L34 Flex New EN 14293		
		Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.		
*		OPTIONAL: SUBSTRATE LEVELLING		
		Levelling $\approx 1.6 \text{ kg/m}^2$ per mm of thickness		
		Keratech® Eco Flex CT C20-F7 - EN 13813		
		Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance and high-deformability correction of irregular substrates, ideal for use in GreenBuilding.		
		Preparation $\approx 0.1 - 0.2 \text{ kg/m}^2$		
		Keragrip Eco 2004 / 42 / CE		
		Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates, ideal for use in GreenBuilding.		
1		PREPARATION OF SUBSTRATE		
Follow the recommendations for substrate preparation given on page 19				

HARDWOOD FLOOR LAYING ON TIMBER SUBSTRATES WITH HEATING SYSTEM


- Guarantees excellent heat diffusion
- Optimises heating system performance
- Insensitive to changes in temperature
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators


6				FINISHING OF HARDWOOD FLOORS		
6		Treatment ≈ 200 g/m²		Slc® Eco Aqua-Pur HPX	2004 / 42 / CE	
				Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.		
5 LAYING HARDWOOD FLOORS						
5		Coverage ≈ 1.2 kg/m² (Slc® spreader no. 4)		Slc® Eco L34 Flex New	EN 14293	
				Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.		
4 SELF-LEVELLING PRODUCT						
4		Levelling ≈ 1.6 kg/m² per mm of thickness		Keratech® Eco Flex	CT C20-F7 - EN 13813	
				Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance and high-deformability correction of irregular substrates, ideal for use in GreenBuilding.		
3 HEATING SYSTEM						
Heating system						
2 LEVELLING THE SUBSTRATE						
2		Preparation ≈ 0.1 – 0.2 kg/m²		Keragrip Eco	2004 / 42 / CE	
				Certified, eco-friendly, water-based adhesion promoter for compact, absorbent and non-absorbent substrates, ideal for use in GreenBuilding.		
1 PREPARATION OF SUBSTRATE						
Follow the recommendations for substrate preparation given on page 19						

QUICK SYSTEM FOR HARDWOOD FLOOR LAYING


- Simple and versatile, ideal for renovation work
- Fast and safe in all conditions
- Specific for localised operations and repairs
- System with very low VOC emissions, improves the quality of air and increases the level of health protection for operators

4



Treatment $\approx 200 \text{ g/m}^2$


Slc® Eco Aqua-Pur HPX **2004 / 42 / CE**
Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.



3







Coverage $\approx 1.2 \text{ kg/m}^2$
(Slc® spreader no. 4)


Slc® Eco L34 Rapid **EN 14293**
Eco-friendly, organic, rapid setting and hardening, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.




2



	Waterproofing $\approx 0.4 \text{ kg/m}^2$	1 st coat	2 nd coat
HUMIDITY > 2% < 5% cm		YES	YES
HEATING SYSTEM	Consolidation $\approx 0.2 \text{ kg/m}^2$ 	1 st coat YES	2 nd coat —
WITH DUST	Consolidation $\approx 0.2 \text{ kg/m}^2$ 	1 st coat YES	2 nd coat —

Slc® Eco EP21 Rapid **2004 / 42 / CE**
Certified, eco-friendly, organic, rapid-hardening resin for the consolidation of absorbent substrates and the covering and waterproofing of absorbent mineral and cement-based substrates with high residual humidity, ideal for use in GreenBuilding.











1

PREPARATION OF SUBSTRATE
Follow the recommendations for substrate preparation given on page 19

GUIDE TO SELECTION OF THE FINISHING CYCLES

GUIDE TO THE CHOICE OF HARDWOOD FLOOR FINISHING AND PROTECTION CYCLES
ACCORDING TO THE TYPE AND INTENSITY OF TRAFFIC FORESEEN

FINISH CYCLE 1		SHEEN	FINISHED TEXTURE	MECHANICAL RESISTANCE	CHEMICAL RESISTANCE	INSTRUCTIONS FOR USE
	GROUTING* ≈ 40 ml/m²					MODERATE DOMESTIC Homes
						
	3-COAT TREATMENT ≈ 270 ml/m²	Satin ≈ 35 gloss Matt ≈ 20 gloss	3 COATS Classic Effect	●●○○○	●●○○○	
						



FINISH CYCLE 2		SHEEN	FINISHED TEXTURE	MECHANICAL RESISTANCE	CHEMICAL RESISTANCE	INSTRUCTIONS FOR USE
	GROUTING ≈ 30 - 40 ml/m²					GENERAL DOMESTIC HIGH AND VERY HIGH COMMERCIAL Homes, Shops, Offices, Hotels, Airports
						
	2/3-COAT TREATMENT* ≈ 220/300 ml/m²	Glossy ≈ 85 gloss Satin ≈ 40 gloss Matt ≈ 20 gloss Extra Matt ≈ 10 gloss	2 COATS Classic Effect 3 COATS Silk Effect	●●●●●	●●●●●	
						



Resistances legend ●○○○○ LOW ●●○○○ AVERAGE ●●●○○ HIGH ●●●●● EXTREME

* The first coat of varnish may be replaced with Slc® Eco Aqua-Pur Basic.

N.B.
All finishing cycles and floors are subject to wear, so they require scheduled and special maintenance at times to be set based on the intensity of use.

RECOMMENDATIONS FOR HARDWOOD FLOOR MAINTENANCE

ORDINARY CLEANING		
	CLEANING ≈ 1 measuring cap in 3 ℓ of water	SuperSoap Neutral detergent with lavender extract, to clean and care for all types of floor, ideal for use in GreenBuilding. Concentrated, eco-friendly, water-based soap with a low solvent content. Effective cleaning of all continuous floors without damaging their surfaces. Ideal for cleaning to varnished and oiled wood, prefinished hardwood, ceramic and porcelain tiles, marble and natural stone, plastic laminate, PVC, rubber and linoleum floors.
		

ROUTINE MAINTENANCE		
	MAINTENANCE ≈ 15 ml/m² per coat	Refresher Nourishing wax to prevent wear in continuous floors, ideal for use in GreenBuilding. Protective self-polishing and re-polishable layer. Renews shine and gives continuous floors greater resistance to scratching and wear. Ideal to maintain varnished wood, prefinished hardwood, PVC, rubber and linoleum floors.
		

RECOMMENDATIONS FOR SUBSTRATE PREPARATION BEFORE APPLICATION OF THE SYSTEMS

	Cement-based screed	Anhydrite screed	Ceramic tile floor	Wood floor	Wood panels
LAYING HARDWOOD FLOORS RECOMMENDED TREATMENT	SANDING	SANDING	THOROUGH CLEANING	SANDING	SURFACE CLEANING
			SANDING	SMOOTHING	
			FIXING DETACHED ELEMENTS	FIXING DETACHED ELEMENTS	

Legend

Sanding: treatment carried out using a machine rotating on its vertical axis, fitted with a rotating plate supporting an abrasive disk or mesh suitable to sand wood, or with a plate supporting abrasive tools suitable for cement screeds or ceramic tile floors. Compulsory for anhydrite screeds according to the manufacturer's indications.

Smoothing: treatment carried out using a roller or belt sander for hardwood floors, rotating on the horizontal axis, suitable for varnished hardwood floors or timber substrates in cases when a more intense abrasive action than ordinary sanding is required.

Thorough cleaning: treatment carried out by washing the non-absorbent surface with a solution of water, preferably hot, and specific detergents for the type of dirt present. Suitable for existing ceramic tile floors.

ECO PRODUCTS LAYING RANGE

Preparation of laying substrates for hardwood floors

Mineral screeds and binders for substrates

- 21 Keracem® Eco
- 21 Keracem® Eco Pronto
- 21 Keratech® Eco R30
- 22 Keratech® Eco R10
- 22 Keratech® Eco Flex
- 22 Slc® Eco 3CW
- 23 Slc® Eco EP21
- 23 Slc® Eco EP21 Rapid
- 23 Quarzo

Organic mineral adhesives for hardwood floors

- 25 Slc® Eco L34 Plus
- 25 Slc® Eco L34 Flex New
- 25 Slc® Eco L34
- 26 Slc® Eco L34 New
- 26 Slc® Eco L34 Rapid
- 27 Slc® Eco MP100
- 27 Slc® Eco B3

Liquid organic varnishes for hardwood floors

- 28 Slc® Eco Aqua-Pur HPX
- 28 Slc® Eco Aqua-Pur Flex
- 28 Slc® Eco Aqua-Pur Basic
- 29 Slc® Eco Aqua-Pur

Detergents, protective products and waxes for hardwood floors

- 29 Supersoap
- 29 Refresher
- 30 Care Pro
- 30 Remover Pro

Accessories to lay hardwood floors

- 31 Slc® Spatole
- 31 Slc® Roller Plus - Classic

Keracem® Eco

Certified, eco-friendly, hydraulic, normal-setting and rapid-drying mineral binder for high-performance screeds and heat-radiant slabs, ideal for use in GreenBuilding.

Keracem® Eco, mixed with inert materials of assorted grain size from 0 to 8 mm, creates screeds of high dimensional stability and constant moisture stability, guaranteeing the rapid, safe laying of ceramic tiles after 24 hours and hardwood floors after just 5 days.



Code	Pack	Pallet
01173	25 kg	1500 kg

Coverage	Shelf life
≈ 2 – 2.5 kg/m² per cm of thickness	≈ 12 months



- High dimensional stability and long-lasting performance
- Prolonged workability both in the manual and mechanical laying

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Keracem® Eco Pronto

Certified, ready-to-use, eco-friendly, normal-setting and rapid-drying mineral screed to be covered with adhesives, ideal for use in GreenBuilding.

Keracem® Eco Pronto develops excellent thermal conductivity that is essential in underfloor heating systems to allow the system to quickly reach optimal efficiency and an even distribution of heat.



Code	Pack	Pallet
15048	25 kg	1500 kg

Coverage	Shelf life
≈ 16 – 18 kg/m² per cm of thickness	≈ 12 months



- Ready-to-use, ensures constant levels of performance
- Approved for marine use
- Ideal in renovation work

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Keratech® Eco R30

Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance, high-thickness correction of irregular substrates, ideal for use in GreenBuilding.

Keratech® Eco R30 develops a high degree of workability guaranteeing an ideal surface for the subsequent laying of ceramic tiles and natural stone using eco-friendly mineral adhesives.



Code	Pack	Pallet
01558	25 kg	1500 kg

Coverage	Shelf life
≈ 1.8 kg/m² per mm of thickness	≈ 6 months



- For internal use; thicknesses from 3 to 30 mm
- Approved for marine use
- Long self-levelling time, also suitable for large surface areas

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Keratech® Eco R10

Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance, smooth finishing correction of irregular substrates, ideal for use in GreenBuilding.

Keratech® Eco R10 rapidly develops a smooth finish and perfectly even surface with high levels of mechanical resistance, guaranteeing the subsequent laying of all types of coverings.



Code	Pack	Pallet
01557	25 kg	1500 kg

Coverage	Shelf life
≈ 1.6 kg/m² per mm of thickness	≈ 6 months



- For internal use; thicknesses from 1 to 10 mm
- Long self-levelling time and extra-rapid hardening

GREENBUILDING RATING®

eco4

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Keratech® Eco Flex

Certified, extra-rapid hardening, eco-friendly, self-levelling mineral product for the high-performance and high-deformability correction of irregular substrates, ideal for use in GreenBuilding.

Keratech® Eco Flex develops a high degree of flexibility and dimensional stability, making it ideal to correct deformable substrates, gives superior workability and hardness. A self-levelling product suitable for the subsequent laying of all types of coverings.



Code	Pack	Pallet
01559	25 kg	1500 kg

Coverage	Shelf life
≈ 1.6 kg/m² per mm of thickness	≈ 6 months



- For internal use; thickness from 1 to 15 mm
- Approved for marine use
- Ideal for laying hardwood floors using adhesives

GREENBUILDING RATING®

eco4

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

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Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco 3CW

Eco-friendly, organic system to waterproof non-absorbent substrates with a high level of residual humidity, ideal for use in GreenBuilding.

Slc® Eco 3CW guarantees water-resistance to protect hardwood floors from residual humidity for a 100% eco-friendly safe laying on non-absorbent substrates and over old floors.



Code	Pack	Pallet
10776	4x5 kg	360 kg

Coverage	Shelf life
≈ 500 g/m²	≈ 12 months



- Specifically intended for non-absorbent substrates and absorbent, smooth and compact substrates
- Easy to apply with a roller

GREENBUILDING RATING®

eco2

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

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IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco EP21

Certified, eco-friendly, organic resin for the consolidation of absorbent substrates and the covering and waterproofing of absorbent mineral or cement-based substrates with high residual moisture, ideal for use in GreenBuilding.

Slc® Eco EP21 raises the mechanical resistance of inconsistent substrates and waterproofs them to protect hardwood floors from residual humidity, for a 100% eco-friendly safe laying.



Code	Pack	Pallet
15007 Part A + Part B	2x2.5 kg + 2x1 kg	252 kg

Coverage	Shelf life
as a surface reinforcement ≈ 0.2 kg/m²	≈ 12 months
as a deep reinforcement ≈ 0.3 – 0.4 kg/m²	
as moisture barrier ≈ 0.3 – 0.4 kg/m²	



- Very high consolidating power
- Specifically intended for low-absorption substrates

GREENBUILDING RATING®

eco3

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

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Low Emission

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Recyclable

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco EP21 Rapid

NEW

Certified, eco-friendly, organic, rapid-hardening resin for the consolidation of absorbent substrates and the covering and waterproofing of absorbent mineral and cement-based substrates with high residual humidity, ideal for use in GreenBuilding.

Slc® Eco EP21 Rapid raises the mechanical resistance of inconsistent substrates and waterproofs them to protect hardwood floors from residual humidity, for a quick 100% eco-friendly laying.



Code	Pack	Pallet
16214 Part A + Part B	2x2 kg + 2x1 kg	216 kg

Coverage	Shelf life
as a surface reinforcement ≈ 0.2 kg/m²	≈ 12 months
as a deep reinforcement ≈ 0.3 – 0.4 kg/m²	
as moisture barrier ≈ 0.3 – 0.4 kg/m²	



- Ideal for laying in low temperatures
- Very high consolidating power
- Specifically intended for low-absorption substrates

GREENBUILDING RATING®

eco3

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

Recyclable

Low Emission

IAQ

Low VOC

Low Air G

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IAQ

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Low Air G

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IAQ

Low VOC

Low Air G

Recyclable

RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Quarzo

Eco-friendly, calibrated, controlled granulometry mineral quartz, washed, perfectly dry, ideal for use in GreenBuilding.



Code	Pack	Pallet
01133 Quarzo 1.3	25 kg	1575 kg
01222 Quarzo 1.7	25 kg	1500 kg
01132 Quarzo 5.12	30 kg	1440 kg

Coverage	Shelf life
depending on use	unlimited



- Quarzo 1.3 is ideal as a structural filler and for tacking in multi-layer and self-levelling Factory systems
- Quarzo 1.7 is ideal as structural filler for two-component adhesives in very thick applications
- Quarzo 5.12 is ideal as a dry-shake adhesion promoter on fresh Slc® Eco EP21, Slc® Eco 3CW and as a structural filler in synthetic finishing coats, in epoxy screeds and in the Factory resin-based mortar system

KERAKOLL GREEN RESEARCH GIVES US THE HOME OF TOMORROW.



SLC® ECO L34 PLUS. THE ECO-FRIENDLY ADHESIVE FOR THE LAYING OF HARDWOOD FLOORS THAT IS SAFE FOR YOUR HEALTH.

The Kerakoll GreenLab research laboratories have created SLC® ECO L34 PLUS: the first two-component adhesive for wooden floors in the world that is totally free from solvents and toxic substances, certified GEV EC 1 –R PLUS as producing very low volatile organic compound emissions.

SLC® ECO L34 PLUS is tested with the Anti-Shock System, an exclusive Kerakoll test that simulates extreme working conditions for a wood floor, reproducing variations of ambient humidity and temperature as well as dimensional changes, accelerated by repeated cycles of immersion in water (9 hours, +20 °C) and drying in a climatic cell (15 hours, +50 °C). At the end of the test SLC® ECO L34 PLUS was found to be the adhesive that guarantees the best performance levels.

Slc® Eco L34 Plus

Certified, eco-friendly, organic, high elasticity, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.

Slc® Eco L34 Plus develops a perfect balance between adhesive force and elasticity, that guarantees superior levels of safety when laying hardwood floors of any size and wood type on any type of substrate.



Code	Pack	Pallet
04805 Part A + B ○	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg
04807 Part A + B ●	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg

○ Light colour
● Dark colour

Coverage	Shelf life
≈ 800 – 1500 g/m² (Slc® spreader no. 2 – 4)	≈ 12 months



- Solvent-free, safeguards the health of both operators and the environment
- Prolonged workability, ideal for large areas

GREENBUILDING RATING®



Slc® Eco L34 Flex New

NEW

Certified, eco-friendly, organic, elastic mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.

Slc® Eco L34 Flex New develops a perfect balance between adhesive force and elasticity that guarantees the safe laying of prefinished and traditional hardwood floors on any type of substrate.



Code	Pack	Pallet
13245	16 kg	704 kg

Coverage	Shelf life
≈ 700 – 1300 g/m² (Slc® spreader no. 2 – no. 4)	≈ 12 months



- Single-component
- Practical and easy-to-use
- Perfect balance between adhesive force and elasticity

GREENBUILDING RATING®



Slc® Eco L34

Eco-friendly, organic, high elasticity, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.

Slc® Eco L34 develops a perfect balance between adhesive force and elasticity, that guarantees superior levels of safety when laying hardwood floors of any size and wood type on any type of substrate.



Code	Pack	Pallet
05714 Part A + B ○	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg
05715 Part A + B ●	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg

○ Light colour
● Dark colour

Coverage	Shelf life
≈ 800 – 1500 g/m² (Slc® spreader no. 2 – 4)	≈ 12 months



- The number one safest adhesive since 1980
- Perfect balance between adhesive force and elasticity

GREENBUILDING RATING®



Slc® Eco L34 New

NEW

Eco-friendly, organic, high elasticity, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.

Slc® Eco L34 New develops a perfect balance between adhesive force and elasticity, that guarantees superior levels of safety when laying hardwood floors of any size and wood type on any type of substrate.



Code	Pack	Pallet
13756 Part A + B ○	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg
14540 Part A + B ●	1x9 + 1x1 kg (monopack 9+1 kg)	440 kg

○ Light colour
● Dark colour

Coverage	Shelf life
≈ 800 – 1500 g/m ² (Slc® spreader no. 2 – 4)	≈ 12 months



- No odour, safeguards the health of both operators and the environment
- Long open time

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco MP100

Eco-friendly, expansive organic adhesive to secure and repair hardwood strips starting to detach from the substrate, ideal for use in GreenBuilding.

Slc® Eco MP100 swells as it hardens to guarantee micro-cavity filling and securing of hardwood strips and flooring elements in general that are not perfectly anchored to the substrate.



Code	Pack	Pallet
10480	4x500 g	480 pcs.

Coverage	Shelf life
≈ 12 months	≈ 12 months



- High expansive capacity and filling power
- Eliminates the “hollow sound” of elements that are not perfectly bonded

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco L34 Rapid

Eco-friendly, organic, rapid setting and hardening, mineral adhesive for the high-performance laying of hardwood floors, ideal for use in GreenBuilding.

Slc® Eco L34 Rapid produces rapid hardening times and is quickly ready for normal use, even at low temperatures, guaranteeing superior levels of safety when laying hardwood floors of any size or wood type on any type of substrate, and maintaining prolonged workability similar to that of normal setting adhesives.



Code	Pack	Pallet
07672 Part A + B ○	9.4 + 0,6 kg (monopack 9.4+0.6 kg)	440 kg
07630 Part A + B ○	4.7 + 0,3 kg (monopack 4.7+0.3 kg)	500 kg

○ Light colour

Coverage	Shelf life
≈ 800 – 1500 g/m ² (Slc® spreader no. 2 – 4)	≈ 12 months



- Rapid development of the adhesive performance levels, ideal for laying in low temperatures
- Solvent-free, safeguards the health of both operators and the environment

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco B3

Certified, eco-friendly, organic adhesive for bond when used to secure tongue-and-groove ends in floating hardwood floors and laminated floors, ideal for use in GreenBuilding.

Slc® Eco B3 develops a strong, water-resistant bond when used to secure tongue-and-groove ends in floating, pre-finished hardwood floors and plank, laminate, chipboard or plywood floors.



Code	Pack	Pallet
06628	16x500 g	768 pcs.

Coverage	Shelf life
≈ 30 g/m	≈ 12 months



- Colourless when cured
- Water-resistant D3-class (EN 204)

GREENBUILDING RATING®



RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS

Slc® Eco Aqua-Pur HPX

Certified, eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.

Slc® Eco Aqua-Pur HPX enhances the natural beauty of wood and guarantees high levels of protection from wear and abrasion for wood floors, that are even subjected to extreme foot traffic.



Code	Pack	Pallet
12045 extra-matt	2x5 ℓ + 2x0.5 ℓ	396 ℓ
10788 matt	2x5 ℓ + 2x0.5 ℓ	396 ℓ
10786 satin	2x5 ℓ + 2x0.5 ℓ	396 ℓ
10791 glossy	2x5 ℓ + 2x0.5 ℓ	396 ℓ

Coverage	Shelf life
≈ 80 – 100 ml/m ² per coats	≈ 12 months



- Ideal for wooden floors subject to extreme foot traffic



Slc® Eco Aqua-Pur

Eco-friendly, water-based varnish to protect hardwood floors, ideal for use in GreenBuilding.

Slc® Eco Aqua-Pur is easy to use and apply and does not alter the natural colour of the wood whilst guaranteeing a high degree of scratch-proof protection for wood floors of any type.



Code	Pack	Pallet
10780 satin	2x5 ℓ	420 ℓ
11047 matt	2x5 ℓ	420 ℓ

Coverage	Shelf life
≈ 80 – 100 ml/m ² per coats	≈ 12 months



- Practical and easy to use
- High scratch resistance



Slc® Eco Aqua-Pur Flex

Eco-friendly, water based gel for filling defects and deep cracks, ideal for use in GreenBuilding.

Slc® Eco Aqua-Pur Flex with added wood dust forms a thixotropic, extended workability and extra-rapid hardening mixture that makes light work of filling and also acts as an excellent primer coat for wood prior to varnishing.



Code	Pack	Pallet
10708	5 ℓ	400 ℓ

Coverage	Shelf life
≈ 30 – 40 ml/m ² per coats	≈ 12 months



- High filling power to fill joints with no slip
- Regulates and reduces wood absorption



Supersoap

Neutral detergent with lavender extract, to clean and care for all types of floors, ideal for use in GreenBuilding.

Concentrated, eco-friendly, water-based soap with a low solvent content. Effective cleaning of all Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina® continuous 3-layer floors without damaging their surfaces. Ideal for cleaning to varnished and oiled wood, prefinished hardwood, ceramic and porcelain tiles, marble and natural stone, plastic laminate, PVC, rubber and linoleum floors.



Code	Pack	Pallet
07741	4x1.5 ℓ	360 ℓ

Coverage	Shelf life
Coverage using MOP ≈ 1 measuring cap in 3 ℓ of water	≈ 12 months



- Ready-to-use for the localized removal of stubborn dirt
- Cleans thoroughly, no need to rinse



Slc® Eco Aqua-Pur Basic

Certified, eco-friendly, water-based base coat varnish to protect hardwood floors, ideal for use in GreenBuilding.

Slc® Eco Aqua-Pur Basic develops a special rheology and workability to prime dry woods in high ambient temperature applications before finishing with water-based varnishes.



Code	Pack	Pallet
12030	2x5 ℓ + 2x0.5 ℓ	396 ℓ

Coverage	Shelf life
≈ 80 – 100 ml/m ² per coats	≈ 12 months



- Specifically intended to prime dry woods in high ambient temperature applications before finishing with water-based varnishes



Refresher

Nourishing wax to prevent wear in continuous Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina® floors, ideal for use in GreenBuilding.

Protective self-polishing and re-polishable layer. Renews shine and gives Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina® continuous 3-layer floors greater resistance to scratching and wear. Ideal to maintain varnished wood, prefinished hardwood, PVC, rubber and linoleum floors.



Code	Pack	Pallet
07743	2x1.5 ℓ	243 ℓ

Coverage	Shelf life
≈ 15 ml/m ² per coat	≈ 12 months



- Can be applied with a soft cloth or wax applicator
- Protects from wear and improves the performance of flooring



Care Pro

Professional regenerating treatment to restore worn surfaces in continuous Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina®, floorings, ideal for use in GreenBuilding.

Protective self-polishing layer. Completely regenerates the final protective layer on Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina® continuous 3-layer floors, renewing and protecting their surface. Ideal for surfaces protecting of varnished wood, PVC, rubber and linoleum floors.



Code	Pack	Pallet
07684	4x2.5 ℓ	400 ℓ

Coverage	Shelf life
≈ 20 ml/m² per coat	≈ 12 months



- Restores and evens out surface shine
- Can be applied with a microfiber wax applicator

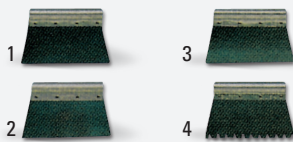
GREENBUILDING RATING®



Slc® Spatole

Metal spreaders to apply organic mineral adhesives.

Slc® no. 1 and no. 3 adhesives for resilient materials and textiles.
Slc® no. 2 and no. 4 adhesives for hardwood floors.



- Designed to guarantee the correct coverage of the adhesives in every specific application

Code	Pack
10541 no. 1	12 pcs.
10543 no. 2	12 pcs.
10544 no. 3	12 pcs.
10547 no. 4	12 pcs.

Remover Pro

Professional wax-removing treatment to clean and prepare the floor before the use of Care Pro regenerating treatment, ideal for use in GreenBuilding.

Wax-removing treatment. Cleans and eliminates residual wax or Refresher and Care Pro treatments, restoring the floors to their original condition and renewing their surface. Ideal for the maintenance of Cementoresina®, Cementoflex®, Cementocrudo®, Legno+Color® and Microresina® continuous 3-layer floors. Suitable also for varnished wood, prefinished hardwood, plastic laminate, PVC, rubber and linoleum floors.



Code	Pack	Pallet
06450	4x2.5 ℓ	400 ℓ

Coverage	Shelf life
≈ 20 – 30 ml/m²	≈ 12 months



- Ideal for cleaning before application of Care Pro
- Specifically intended to remove old layers of Refresher and Care Pro

GREENBUILDING RATING®



Slc® Roller Plus - Classic

Plus – Special synthetic fibre roller designed to improve applied performance of liquid organic varnishes for hardwood floors. Specifically intended to apply HP Technology varnishes.

Classic – Mohair roller designed to improve applied performance of liquid organic varnishes for hardwood floors.



- High durability and easy to clean
- Suitable for the application of finishing products from the Factory range

Code	Pack	Code	Pack
10953 Plus (full)	1 pc.	10550 Classic (full)	1 pc.
10954 Plus (replacement)	1 pc.	10551 Classic (replacement)	1 pc.

N.B.

The coverage information is to be considered merely indicative.
Storage information refers to the product in its original packaging, which carries all the specific information on product storage.

The 2018 Catalogue is drafted on the basis of our best technical and practical knowledge. The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012 and Carbon FootPrint data are calculated using the LCA method according to standards ISO 14040-44 (ref. GBR Data Report 10.18). All rights reserved. © Kerakoll. All rights to the content of this publication are reserved in accordance with applicable law. The duplication, publication, and distribution, in full or in part, of all material contained herein, are expressly forbidden without written authorization.
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KERAKOLL Spa shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website.
Products for professional use. For information on the product safety data, refer to the corresponding sheets provided in accordance with the law along with the health labelling on the packaging.

Special notes

National standards, requirements and regulations may have an influence on the choice of product and on coverage.
Abide by any standards and national regulations.
For special cycles and uses, or cycles and uses different from those indicated, always refer to the technical information for individual products.
As it is not possible to intervene directly on site conditions and on execution of the works, the indications provided in this guide refer exclusively to the technical characteristics of the products supplied, and not to the work required to install them.
The user is always required to assess on site to ensure that the products are suitable for the use to which they are put, always following the indications on the technical documentation and on the packaging.
Make sure that the products are not tampered with and that they are stored as indicated on the packaging and in the technical information.

Technical Guide for the Building Site



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