

Ceresit

Floor Covering Technology with System

Henkel

Quality for Professionals



Henkel – the world’s leading manufacturer of adhesives

The Henkel Group, with its leading brands and technologies, makes people’s lives easier, better and more beautiful. The founder of Henkel, Fritz Henkel, can truly be called a pioneer in the field of adhesives – even more than 130 years ago. Today, Henkel is proud to offer premium products – for the industry as well as for craftsmen and consumers.



As diverse and fascinating as Henkel’s customers is the range of possible applications. These days, Henkel adhesives are used in floriculture for stabilizing crossbred plants, in aircraft construction for reducing the weight and in medicine for gluing the retina – to name only a few applications.



Ceresit can look back on more than 110 years of tradition. Tradition and progress go hand in hand at Ceresit and are channeled into a steady stream of innovative products. Thanks to state-of-the-art technologies, Ceresit can offer today a wide range of high-quality products. Many construction site tasks cannot be accomplished with single products and solutions. For this reason, Ceresit builds on comprehensive product systems whose components are perfectly matched – from tiling systems all the way to flooring, facade and waterproofing systems. All systems offered by Ceresit feature remarkably high application security and easy workability.

And this, in turn, means time and cost savings for the product user. **Ceresit – Trusted building competence.**





Innovations – one of our special strength

What drives Ceresit more than anything else is the aim to make the floor layer's daily work safer, easier and healthier. Our products are therefore continuously optimized and are always state of the art – a matter of course for us. Innovations, as we understand them, shape the market.

This includes, for instance, the “dust-free technology” for levelling compounds, providing a healthy work environment and clean renovation.

Or the “FLEXTEC™ technology” in elastic adhesives that ensures perfectly smooth application as well as solvent-, water- and isocyanate-free handling. Or the “mirror-smooth surface technology” that has been incorporated in our XXL levelling compounds to reduce the adhesive consumption and save the clean-grind step.

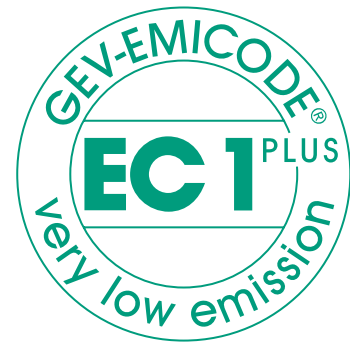
FLEXTEC™





Sustainability – part of our genetic code

Across all business divisions, sustainability is a key topic at Henkel and guides our thoughts and actions – and this includes, of course, Ceresit. This has been our driving force for years. In 1997, Henkel was among the initiators of the GEV, the “**G**emeinschaft für **E**missionskontrollierte **V**erlegewerkstoffe” (Association for the Control of Emissions in Products for Flooring Installation). This association laid the foundation for the classification of low-emission products in flooring technology. The aim: optimum indoor air quality.





Quality worldwide – for your professional success.

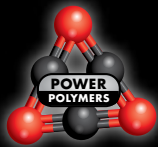
Starting as a small, family firm, Henkel has grown over the past 130 years into an innovative, customer-driven, and highly successful global company.

Today, Henkel, with its leading brands and technologies, makes people's lives easier, better and more beautiful. As many as 50,000 people in 125 countries work for the company in three strategic business sectors: Adhesive Technologies, Laundry/Home Care and Cosmetics/Toiletries. An integral part of Adhesive Technologies is the Henkel Building Systems department which serves the needs of the construction industry and professional craftsmen. Our extensive know-how, highly innovative products based on superior technologies and customized system solutions help not only professional users but all our customers to be more successful and efficient while preserving the Earth's natural resources.

Ceresit



**CN 69 – Fast. Strong. Tough.
The universal levelling champion.**



The power-polymer-enhanced formulation ensures
optimal flowability, durability and fast application.

Henkel

Quality for Professionals

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STANDARD SYSTEMS



PVC Standard system for bonding PVC on cement screeds with excessive residual moisture

PVC floor covering



Ceresit K 188 E Special Adhesive Extra



Ceresit CN69 Floor Levelling Compound



2X Ceresit R 755 Epoxy Safety Primer with silica sanded back

Cement screeds, concrete floors



Thanks to its long working time, Ceresit K 188 E Special Adhesive Extra allows the floor layer to exploit the full creative potential, for example, to lay Amtico designer flooring. Reliable bonding is ensured by extra strong tack. Protection against substrate moisture is guaranteed by long-time proven method: a barrier layer produced with a 2-component epoxy resin.

Technical application

Substrate preparation:

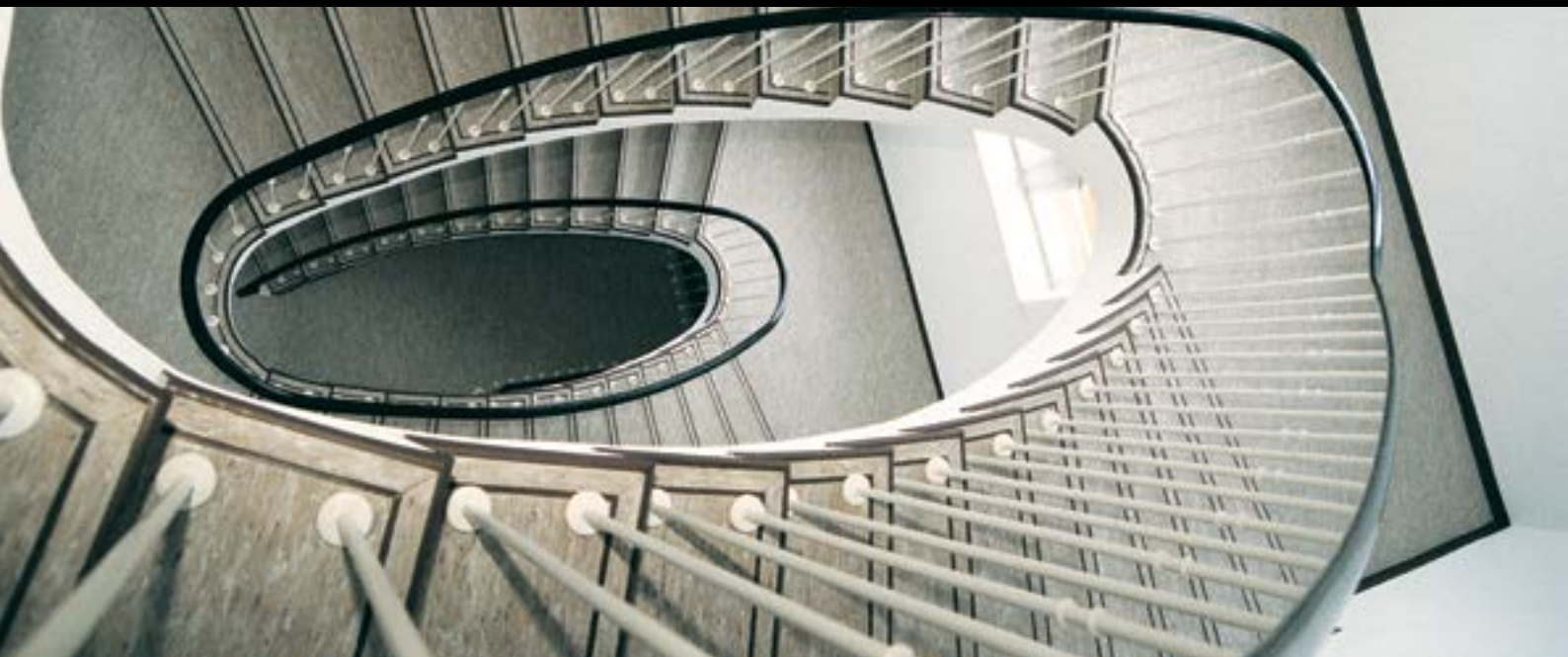
Produce a moisture barrier with two coats of Ceresit R 755 Epoxy Safety Primer, then cover the second coat with a silica sanded back.

Floor levelling:

Prepare the substrate for the installation of flooring by applying a layer of Ceresit CN69 Floor Levelling Compound.

Installation of flooring:

Bond the PVC flooring with Ceresit K 188 E Special Adhesive Extra. It features extra strong tack, excellent wetting even with difficult flooring, and is suitable for wet, pressure-sensitive and contact bonding. K 188 E is also very economical in use.



Standard system for polyolefin bonding

PVC-free flooring based on polyolefins is sensitive to temperature and moisture changes during its installation. Optimum climatic conditions with a temperature of 18 °C and approx. 50 to 65 % air humidity therefore ensure best results. Practical experience has shown that Ceresit K188 E Special Adhesive Extra, with its broad application range and excellent property profile (extra strong tack, long working time) covers all foreseeable risks.

Technical application

Substrate preparation:

Clean the cement screed and bind any residual dust by priming the substrate with Ceresit R 777 Dispersion Primer. Instead of Ceresit R 777, it is also possible to use Ceresit R 766 Multi-Purpose Primer: it is highly concentrated and therefore ensures a high yield. It is suitable for many applications, dries fast and can also be applied under wood flooring.

Floor levelling:

After priming, use Ceresit CN69 Floor Levelling Compound to produce a level surface.

Installation of flooring

Use the powerful Ceresit K 188 E Special Adhesive Extra to ensure a strong bond.

PO floor covering



Ceresit K 188 E Special Adhesive Extra



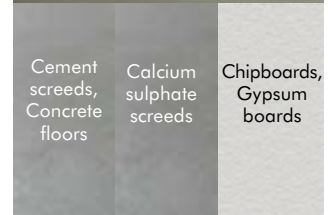
Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer



Ceresit R 766 Multi-Purpose Primer





Safe system for bonding rubber on absorbent surfaces

Rubber floor tiles with a smooth, sanded back



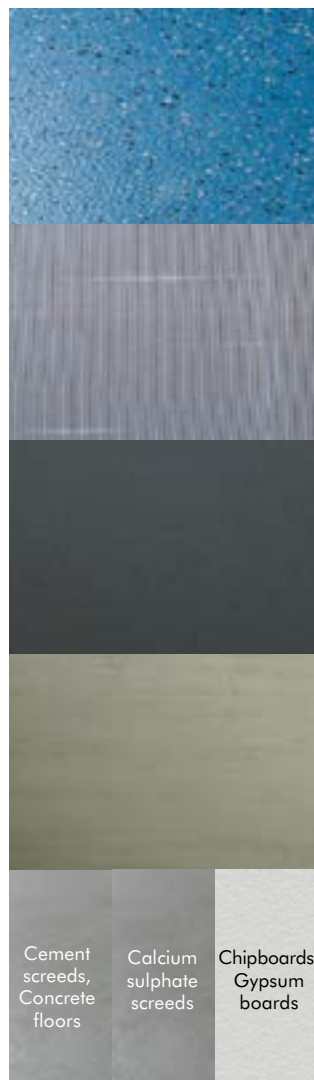
Ceresit K 150 Rubber and PVC Floor Covering Adhesive



Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



Rubber flooring is modern and therefore much in demand, because it is versatile, environmentally friendly and robust. Rubber tiles are often used in industrial areas and this makes high demands on the adhesive system used: it needs to be dimensionally stable, highly resistant to shear forces and must offer durable resistance to peeling. Ceresit's rubber floor safety system has been designed to take all the wear and tear such buildings are exposed to. At the same time, it meets today's requirements of occupational safety and environmental protection.

Technical application

Substrate preparation:

Clean the screed and prime it with Ceresit R 777 Dispersion Primer or with Ceresit R 766 Multi-Purpose Primer.

Floor levelling:

Produce a level subfloor with Ceresit CN69 Floor Levelling Compound

Installation of flooring

Bond the rubber tiles with Ceresit K 150 Rubber and PVC Floor Covering Adhesive.



Bonding linoleum on absorbent substrates

Linoleum is a demanding flooring material that requires a near-perfect substrate and excellent installation properties. If installing a floor covering made of natural materials, it also makes sense to use low-emission products – and the Ceresit portfolio comprising ecologically friendly products is the most sensible choice.

Technical application Substrate preparation

Mechanically prepare the screed and prime it with Ceresit R 777 Dispersion Primer or Ceresit R 766 Multi-Purpose Primer. Floor levelling: Apply Ceresit CN69

Floor Levelling

Apply Ceresit CN69 Floor Levelling Compound to produce a level surface.

Installation of flooring:

Use Ceresit L 240 D Linoleum Adhesive for bonding linoleum sheets and tiles.

Linoleum floor covering
(sheets and tiles)



Ceresit L 240 D Linoleum Adhesive



Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



Cement
screeds,
Concrete
floors

Calcium
sulphate
screeds

Chipboards,
Gypsum
boards



Standard carpet bonding system on absorbent substrates

Textile floor covering



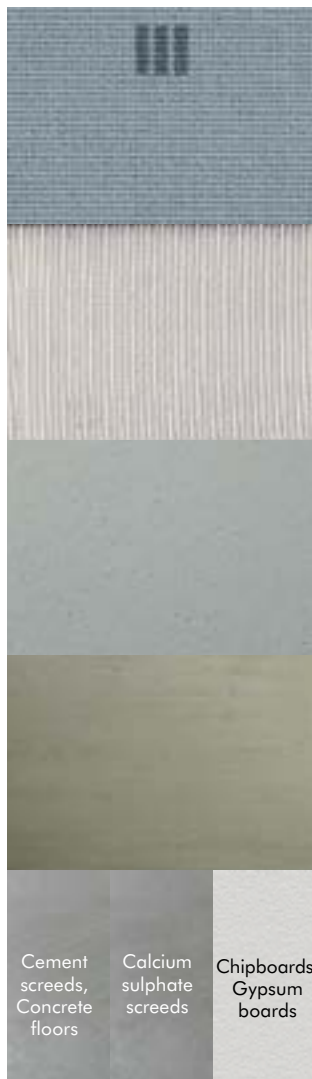
Ceresit T 440 Carpet Adhesive



Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



A truly systematic approach! Take a multi-purpose primer such as Ceresit R 777 Dispersion Primer for absorbent or Ceresit R 766 Multi-Purpose Primer for absorbent and nonabsorbent substrates. Take a self-levelling, pumpable leveller with good strength like Ceresit 69 Floor Levelling Compound. Then use Ceresit T 440 Carpet Adhesive for bonding textile floor covering on absorbent substrates.

Technical application

Substrate preparation:

Clean the screed and prime it with Ceresit R 777 Dispersion Primer or Ceresit R 766 Multi-Purpose Primer.

Floor levelling:

Produce a level, even surface with Ceresit CN69 Floor Levelling Compound.

Installation of flooring

Ceresit T 440 Carpet Adhesive is suitable for bonding textile floor covering on absorbent substrates.

Cement screeds, Concrete floors
Calcium sulphate screeds
Chipboards, Gypsum boards



Anti-Slip System for carpet tiles

Loose-lay carpet tiles have the great advantage that defective tiles can be easily and quickly replaced. However, a common disadvantage is the poor bond between tile and substrate. Ceresit anti-slip system, with a liquid bond enhancer for the substrate, is a clean solution. No more slipping, shifting or tripping. And yet the tiles can be easily lifted if required.

Technical application

Substrate preparation:

Clean the screed and prime it with Ceresit R 777 Dispersion Primer or Ceresit R 766 Multi-Purpose Primer.

Floor levelling:

Apply Ceresit CN69 Floor Levelling Compound on the primed screed.

Installation of flooring:

Install the carpet tiles loosely on the bond-enhanced substrate. Apply Ceresit T 425 Tackifier by roller on DIN-conforming substrates and wait until the film has completely dried.

Loose-lay carpet tiles



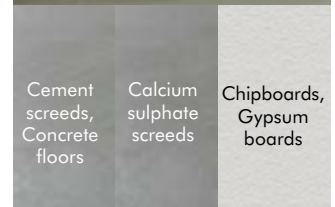
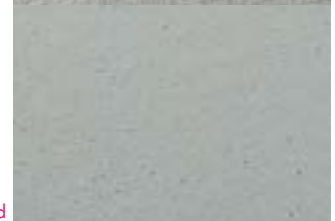
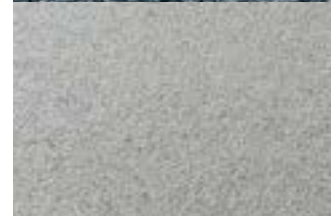
Ceresit T 425 Tackifier



Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



Cement
screeds,
Concrete
floors

Calcium
sulphate
screeds

Chipboards,
Gypsum
boards



Dry construction system based on dry screed elements

Engineered wood floor covering



Ceresit P 685 Elast Universal



Cement screeds,
Concrete floors

Calcium sulphate screeds

When being pressed for time, e.g. when refurbishing an old building or converting an attic, there is often little or no time for proper drying of the substrates. In addition, it is often necessary to level out extreme differences in height and to integrate service ducts into the floor structure. Here, dry screed elements based on cement or calcium sulphate form the load-bearing substrate. The benefits: no residual moisture and zero drying time. On top, you can bond engineered wood floor covering, using the elastic adhesive Ceresit P 685 Elast Universal. This helps diminish shear forces and permanently prevent the development of tensile stresses in the subfloor.

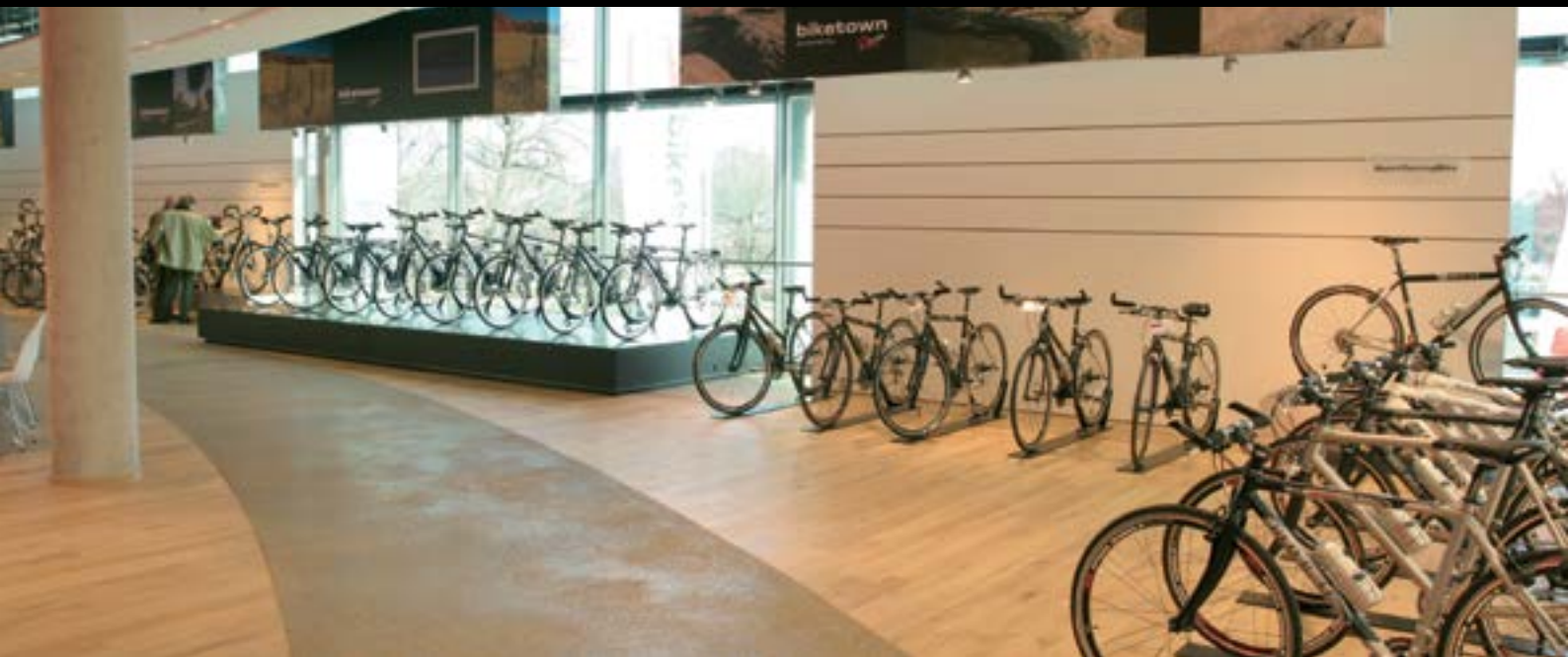
Technical application

Substrate preparation:

Dry screed elements or calcium sulphate screeds form the load-bearing substrate. No priming and no levelling necessary.

Installation of flooring:

On the cleaned substrate apply the water- and solvent-free Ceresit Ceresit P 685 Elast Universal directly before installing the engineered wood floor covering.



Modern wood flooring on cement screeds

These choices very much depend on the individual client's taste and the availability of wood floor covering in the respective country or region. 22 mm thick strip flooring, for instance, is relatively easy to install as any tension will be automatically compensated by the installation pattern.

Technical application

Substrate preparation:

Mechanically clean absorbent concrete floors, cement and anhydrite screeds, and prime with Ceresit R 766 Multi- Purpose Primer. On absorbent substrates, dilute Ceresit R 766 Multi-Purpose Primer with water at a ratio of 1:4 and apply evenly using a lambskin roller. Porous, very absorbent substrates may require a second coat after the first one has dried. On concrete floors and nonabsorbent substrates, dilute Ceresit R 766 1:1 with water before applying a thin coat with a lambskin roller.

Floor levelling:

Apply Ceresit CN69 Floor Levelling Compound, a selflevelling, pumpable product with high strength.

Installation of flooring:

Choose from our products for solid wood flooring: With water- and solvent-free adhesive is required, choose our universal rigid adhesive Ceresit P 625 2C PUR Adhesive or the elastic Ceresit P 685 Elast Universal.

Wood floor covering



Ceresit P 625 2C PUR Adhesive,
P 685 Elast Universal



Ceresit CN69 Floor
Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer

Cement screeds, concrete floors





Direct bonding of wood flooring on cement screeds

Prefinished engineered wood floor covering



Ceresit P 625 2C PUR Adhesive



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer

Cement screeds, concrete floors



What's the quickest way to produce solid ground underfoot? Grind and vacuum off the substrate and pre-treat it with Ceresit R 777 Dispersion Primer or Ceresit R 766 Multi-Purpose Primer. Bond the wood floor covering with high-strength Ceresit P 625 2C PUR Adhesive. Time expenditure: max. 2-3 days, from substrate preparation to bonding, until ready for foot traffic in a medium-sized building.

Technical application

Substrate preparation:

Clean the screed. Bind residual dust with Ceresit R 777 Dispersion Primer or Ceresit R 766 Multi-Purpose Primer.

Installation of flooring:

Use the water- and solvent-free Ceresit P 625 2C PUR Adhesive. It hardens irrespective of layer thickness and has a wide range of applications.



Traditional wood flooring on cement screeds with excessive residual moisture

In keeping with tradition, many parquet layers still prefer to work with adhesives based on synthetic resin: it simply gives them a feeling of greater security.

Technical application

Substrate preparation:

Produce a moisture barrier with two coats of Ceresit R 755 Epoxy Safety Primer, then cover the second coat with a silica sanded back.

Floor levelling:

Prepare the substrate for the installation of flooring by applying a layer of Ceresit CN69 Floor Levelling Compound.

Installation of flooring:

Use Ceresit P 685 Flextec Universal Adhesive

Solid wood floor covering, beech strip



Ceresit P 685 Elast Universal Adhesive



Ceresit CN69 Floor Levelling Compound



2X Ceresit R 755 Epoxy Safety Primer with silica sanded back

Cement screeds, concrete floors





Universal systems



Ceresit UK 400 All-Purpose Adhesive Flooring Adhesive, Ceresit UK 800 Universal Flooring Adhesive, Ceresit P 625 2C PUR Adhesive



Ceresit CN69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



All over the world, nearly 80 % of all flooring materials – and this includes wood flooring – can be installed with a narrow range of universal, high-performance products. This applies to substrate preparation and installation of the floor covering. For this reason, we offer you a truly universal system with products that ensure easy handling and reliable performance.

Technical application

Substrate preparation:

Clean the substrate and bind any residual dust by priming it with Ceresit R 766 Multi-Purpose Primer (for absorbent and non-absorbent substrates). You can use Ceresit R 766 Multi-Purpose Primer for nearly every substrate, but not as a barrier against moisture. R 766 is highly concentrated so that it can be diluted up to a ratio of 1:4 depending on the application. Moreover, Ceresit R 766 Multi-Purpose Primer dries fast and is also suitable for use under wood floor covering.

Floor levelling:

Produce a level substrate with Ceresit CN69 Floor Levelling Compound.

Installation of flooring:

Use Ceresit UK 400 All-Purpose Adhesive for bonding carpet, PVC, CV, rubber (up to 3mm) and linoleum. Our conventional Ceresit P 625 2C PUR Adhesive gets all kinds of wood flooring jobs done (including laminate).



Solid wood flooring on cement screeds

Today, elastic bonding is state of the art in wood floor bonding. It helps diminish shear forces and durably prevents the development of tensile stresses in the substrate – over the whole product life cycle. These choices very much depend on the individual client's taste and the availability in the respective country or region.

Technical application

Substrate preparation:

Clean the cement screed and bind any residual dust by priming the substrate with Ceresit R 777 Dispersion Primer. Instead, it is also possible to use R 766 Multi-Purpose Primer: it is highly concentrated and therefore ensures a high yield. It is suitable for many applications, dries fast and can also be used under wood floor covering.

Installation of flooring:

Use Ceresit P 625 2C PUR Adhesive for all kinds of wood flooring without exception.

Solid wood floor covering



Ceresit P 625 2C PUR Adhesive

Cement screeds



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer

Cement screeds, concrete floors



RENOVATION SYSTEMS



Rapid renovation system – PVC on PVC

Remove the worn PVC flooring, clean off adhesive traces, brush and vacuum off the substrate, prime and level off afresh. These steps all cost time and money, not forgetting client down time and the cost of disposing the old flooring materials. With Ceresit's rapid renovation system, PVC on PVC, renovation can proceed much more cost-effectively and quickly. Because the old PVC flooring – after proper preparation – is used as a substrate for the new flooring. One vapour-tight layer bonded on top of another – yes, it really works! And it's also suitable for castor traffic.

Technical application

Substrate preparation:

Check if the old PVC flooring is ready for covering. Where necessary, reattach any loose flooring and clean the surface thoroughly with special cleaner for waterproof flooring (can be used with cleaning machines).

Installation of flooring:

Apply Ceresit K 188E Special Adhesive Extra with a notched trowel or roller.

New PVC floor covering



Ceresit K 188 E
Special Adhesive Extra

Covering cleaned with special cleaner





Rapid renovation system - PVC on Tiles

There is no need anymore for removing your old tile covering before re furnishing with PVC. Protection against substrate moisture is guaranteed by along-time proven method: a barrier layer produced with a 2-component epoxy resin.

Technical application

Substrate preparation:

Check the old covering for loose tiles and remove any loose ones. Thoroughly clean the surface and grind the tile covering. Produce a moisture barrier with two coats of Ceresit R 755 Epoxy Safety Primer, then cover the second coat with a silica sanded back.

Floor levelling:

After drying, produce a level surface with Ceresit CN69 Floor Levelling Compound (24 hours) or Ceresit XXL XPRESS Rapid Levelling Compound (90 minutes).

Installation of flooring:

Bond the PVC flooring with Ceresit K 188 E Special Adhesive Extra. It features extra strong tack, excellent wetting even with difficult flooring, and is suitable for wet, pressure-sensitive and contact bonding. K 188 E is also very economical in use.

PVC floor covering



Ceresit K 188 E Special Adhesive Extra



Ceresit CN69 Floor Levelling Compound
Ceresit XXL XPRESS Rapid Levelling Compound



2X Ceresit R 755 Epoxy Safety Primer
with silica sanded back

Tiles





Fast rubber renovation system

Floors in industrial and commercial buildings are always subject to heavy-duty service conditions. If high or even extreme loads and stresses can be expected, rubber flooring is the product of choice. But even this type of covering can only produce the desired results if the substrate has been properly prepared to meet the expected demands. When undertaking renovation projects, time is often a crucial factor. Because "time is money". Ceresit's fast rubber renovation system ensures reliable bonding of the components – with each other and with the substrate – even on concrete floors with high residual moisture.

Technical application

Substrate preparation:

Mechanically clean the concrete floor (preferably by sanding or shot blasting), vacuum it off and pretreat it with Ceresit R 755 Epoxy Safety Primer. Apply two coats to seal the surface against high residual moisture.

Floor levelling:

Level the floor off with Ceresit XXL XPRESS Rapid Levelling Compound. It features high compressive strength and is ready to receive flooring after 90 minutes. By contrast, traditional levelling compounds have much longer drying times of 24-72 hours.

Installation of flooring:

Finally bond the rubber flooring with Ceresit R 710 Polyurethane Adhesive.

Rubber floor covering



Ceresit R 710 Polyurethane (PU) Adhesive



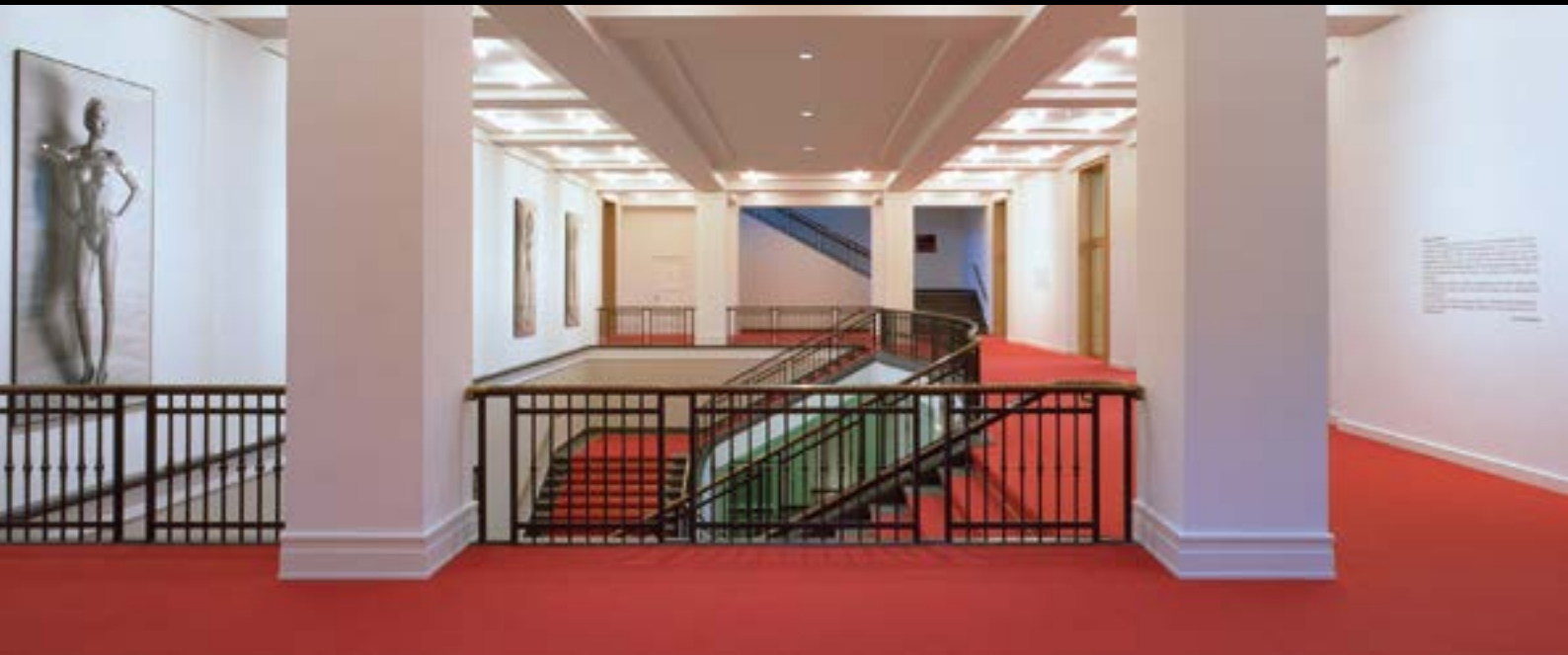
Ceresit XXL XPRESS Rapid Levelling Compound



Ceresit R 755 Epoxy Safety Primer



Cement screeds,
Concrete floors.



Modernization textile system on old PVC flooring

Textile floor covering



Ceresit UK 800 Universal Flooring Adhesive, Ceresit K 188 E Special Adhesive Extra

Covering cleaned with special cleaner



The old floor covering – PVC for example- does not necessarily have to be removed as this undertaking costs precious time and involves a lot of steps: remove old adhesive traces, clean the substrate, vacuum, prime and newly level off. The job can be finished off much more quickly when using Ceresit's modernization system where the new flooring is simply installed on top of the old PVC. And if required, the new flooring can be simply lifted off so that the old covering can be used again – damage-free!

Technical application

Substrate preparation:

Check if the old PVC flooring is ready to receive covering. If necessary, reattach loose areas and clean thoroughly with special cleaners for waterproof floor coverings (also for use with cleaning machines).

Installation of flooring:

Bond the flooring with Ceresit UK 800 for textile and Ceresit K 188E for CV floor coverings.



Renovation of robust wood flooring on cement and calcium sulphate screeds

Today, elastic bonding is state of the art in wood floor bonding. It helps diminish shear forces and durably prevents the development of tensile stresses in the substrate – over the whole product life cycle. These choices very much depend on the individual client's taste and the availability in the respective country or region.

Technical application

Substrate preparation:

Clean the cement screed and bind any residual dust by priming the substrate with Ceresit R 777 Dispersion Primer. Instead, it is also possible to use R 766 Multi-Purpose Primer which can be applied on nearly every absorbent and nonabsorbent substrate. Thanks to its high concentration, it can be diluted up to a ratio of 1:4 and thus ensures a high yield. Another feature: R 766 dries really fast (0-30 minutes).

Floor levelling:

Level off with Ceresit CN 69 Floor Levelling Compound (24 hours) or Ceresit XXL XPRESS Rapid Levelling Compound (90 minutes).

Installation of flooring:

Bond with Ceresit P 625 2C PUR Adhesive.

Robust wood floor covering



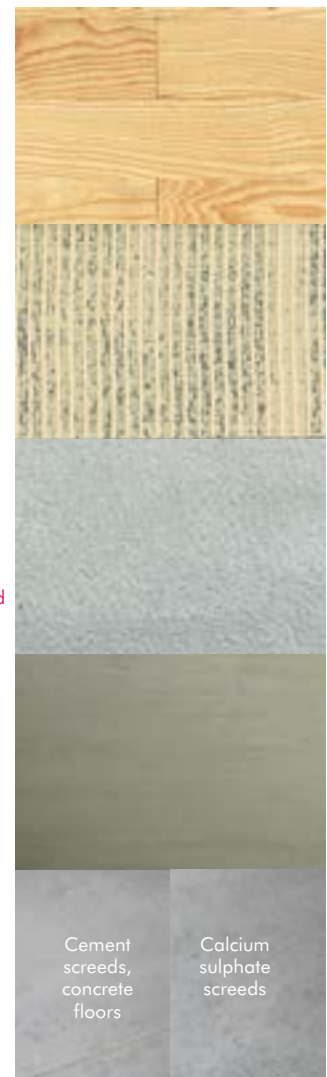
Ceresit P 625 2C PUR Adhesive



Ceresit CN 69 Floor Levelling Compound
Ceresit XXL XPRESS Rapid Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer





Wood flooring on old boarded floors

Wood floor covering



P 625 2C PUR Adhesive,
P 685 Elast Universal



Ceresit CN 69 Floor Levelling Compound
Ceresit XXL XPRESS Rapid Levelling
Compound

Special filling primer

Old wood plank floor



Old substrates, especially old wooden floors, are always a challenge for the floor layer. They require several working steps with different materials in order to build up the new floor construction. This includes, for instance, filling the gaps between the floorboards with a sealant, priming the subfloor, using a special fibre-reinforced levelling compound and so on. To facilitate and speed up the floor layer's work, Ceresit offers an outstanding renovation system.

Technical application

Substrate preparation:

Special filling primer, a fast-drying 2C dispersion /cement primer that not only closes the joints in floorboards, but also primes the floor – in one operation!

Floor levelling:

After drying, produce a level surface with Ceresit CN 69 Floor Levelling Compound (24 hours) or Ceresit XXL XPRESS Rapid Levelling Compound (90 minutes).

Installation of flooring:

Use the secure and fast-drying Ceresit P 625 2C PUR Adhesive. Or use our "state-of-the-art" elastic adhesive Ceresit P 685 Elast Universal if you want to benefit from very convenient application properties.

INDUSTRIAL SYSTEMS



Bonding industrially used rubber on damp concrete

Rubber floor covering



Ceresit R 710 Polyurethane (PU) Adhesive



Ceresit XXL XPRESS Rapid Levelling Compound

Quartz sand



Ceresit R 755 Epoxy Safety Primer



Floors in industrial and commercial buildings are always subject to heavy-duty service conditions. If high or even extreme loads and stresses can be expected, rubber flooring is the product of choice. But even this type of covering can only produce the desired results if the substrate has been properly prepared to meet the expected demands. Ceresit's rubber bonding system for industrial applications has been designed to meet these specific demands. It consists of components that have been tried and tested in practice and includes a special polyurethane adhesive. Reliable bonding of the components – with each other and with the substrate – even on concrete floors with high residual moisture.

Technical application

Substrate preparation:

Mechanically clean the concrete floor (preferably by sanding or shot blasting), vacuum and pretreat it with Ceresit R 755 Epoxy Safety Primer for critical subfloors and heavy-duty service. Apply two coats to seal the surface against high residual moisture. Finally sprinkle with quartz sand.

Floor levelling

Level the subfloor with Ceresit XXL XPRESS Rapid Levelling Compound.

Installation of flooring:

Finally bond the rubber floor covering with Ceresit R 710 Polyurethane (PU) Adhesive.



Wood floor sealing system on damp concrete floors

Raw concrete floors always present a significant risk of faulty workmanship and the resulting liability for defects. Ceresit's sealing system ensures proper substrate preparation before installing the flooring. The well-matched components have been designed to combat moisture and protect against claims arising from faulty workmanship.

Technical application

Substrate preparation:

Prime the substrate with two coats of Ceresit R 755 Epoxy Safety Primer for critical subfloors and heavy-duty service as a precaution against residual moisture and rising damp. Sprinkle dry quartz sand (grain size 0.3- 0.7 mm) over the freshly primed substrate. When installing a damp course, sprinkle sand only on the second priming coat.

Floor levelling:

Use Ceresit XXL XPRESS Rapid Levelling Compound to produce a level substrate – 0.5 to 20 mm in a single operation.

Installation of flooring:

Use Ceresit P 625 2C PUR Adhesive for solid and engineered wood flooring, wood block and laminate floors.

Wood block RE, pine



Ceresit P 625 2C PUR Adhesive



Ceresit XXL XPRESS Rapid Levelling Compound



Ceresit R 755 Epoxy Safety Primer with silica sanded back

Raw concrete floor



CONDUCTIVE SYSTEMS



Conductive system for PVC flooring

Before installing conductive PVC flooring, make sure that the subfloor has been properly prepared with a primer and a levelling compound. Also make sure that all duties of inspection have been fulfilled.

Technical application

Substrate preparation:

Grind and vacuum off the substrate and pre-treat it with Ceresit R 777 Dispersion Primer or R 766 Multi-Purpose Primer (for absorbent and non-absorbent substrates).

Floor levelling

Produce a level surface by applying Ceresit CN 69 Floor Levelling Compound.

Installation of flooring:

Use the high-strength Ceresit K 112 Special Conductive Adhesive for bonding conductive PVC and rubber floor coverings.

Conductive PVC floor covering



Ceresit K 112 Special Conductive Adhesive



Ceresit CN 69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer





Conductive system for rubber floor covering

Rubber floor covering



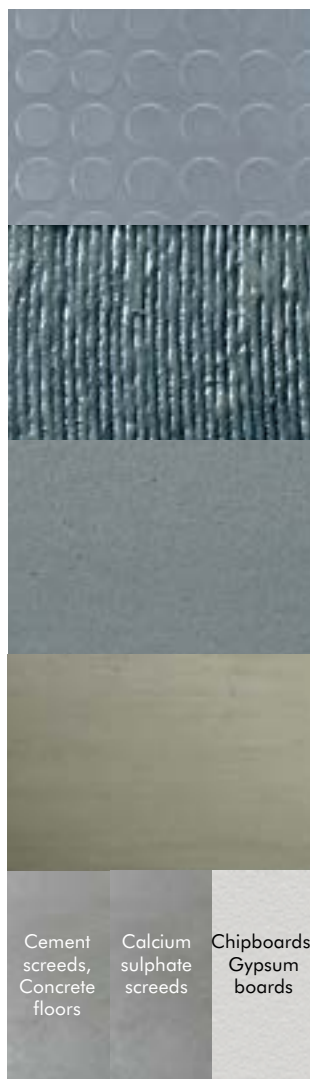
Ceresit K 112 Special Conductive Adhesive



Ceresit CN 69 Floor Levelling Compound



Ceresit R 777 Dispersion Primer
Ceresit R 766 Multi-Purpose Primer



The handling of conductive rubber flooring is a little different compared to the handling of conductive textile or PVC flooring. Due to the high conductivity of the floor covering and the adhesive, there is only a single metre of copper strip required for an area of 30 m².

Technical application

Substrate preparation:

Grind and vacuum off the substrate, then pre-treat it with Ceresit R 777 Dispersion Primer or R 766 Multi-Purpose Primer (for absorbent and non-absorbent substrates). Use of Ceresit R 762 Conductive Base Coat is not necessary in this case.

Floor levelling:

Apply Ceresit CN 69 Floor Levelling Compound.

Installation of flooring:

Use Ceresit K 112 Special Conductive Adhesive for bonding conductive PVC and rubber floor covering.





























PRODUCT USE GUIDE

Systematic planning aid for the trade,
craftsmen and decision-makers.










SUBSTRATE PREPARATION

	Substrate	cement screed	calcium sulphate screed	flow cement, vacuum concrete	mastic asphalt screed	hot asphalt/ asphalt fine concrete	magnesia screed	wooden floor boards	V 100 chipboard/ OSB
Ceresit recommendation	Preparation	brush, vacuum off	sand down, brush, vacuum off	blast or mill, vacuum off	vacuum off	vacuum off	blast or mill, vacuum off	sand down, vacuum off (TF 300)	vacuum off

Priming - Undercoating - Sealing

R 755 Epoxy Safety Primer									
R 766 Multi-Purpose Primer				 if required	 if required				
R 777 Dispersion Primer				 if required	 if required				

Levelling

CN 69 Floor Levelling Compound									
XXL XPRESS Rapid Levelling Compound				 up to 5 mm					

 Ceresit recommended  Alternative recommendation

dry screed elements	ceramic tiles, terrazzo/ stone floors	synthetic resin coatings	metals	damping underlays	Suitability of Ceresit products for wood flooring	Mixing ratios of cement products		Coverage g/m ² (approx. values) notch grade OSB		GISCODE	EMICODE
						consistency	water in l/25 kg	g/m ²	kg/m ² /mm layer thickness		
vacuum off	sand down, if necessary blast, vacuum off	blast or mill, vacuum off	degrease, sand down, vacuum off								
●	●	●	●		●			300-600		RE 1	EC 1 R PLUS
●	●	●	●		●			30-150		D 1	EC 1 PLUS
●					●			100-300		D 1	EC 1 PLUS
●	●	●				self-levelling	6	doctor blade method notch grade R2	1.5	ZP 1	EC 1 R
●	●	●			●	self-levelling	5.5-6	doctor blade method notch grade R2	1.5	ZP 1	EC 1 R

SUBSTRATE PREPARATION

Ceresit Recommendation	Textile floor coverings												PVC-/CV-coverings	
	needle punch carpets		tufted carpets, broadloom						woven carpets	loose lay carpet tiles	flat-woven (coir/sisal)	PVC-/CV-coverings		
	normal		latexed	textile backing	latex foam backing	PUR foam backing	web backing	heavy duty PVC coating				latexed	homogeneous/heterogeneous	on polyester backing

Dispersion adhesive

K 150 Rubber and PVC Adhesive									○	○		●		
K 188E Special Adhesive Extra					●	●			○	○		●	●	●
L 240D Linoleum Adhesive														
UK 400 All-Purpose Adhesive	○		○	○	○			○				○ only homog.	○	

Reaction resin adhesive

R 710 Polyurethane (PU) Adhesive	△	△		△		△					△	△	△	△
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Anti-slip stop

T 425 Tackifier										●				
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● Ceresit recommended ○ Alternative recommendation △ Bonding possible, but demanding

Ceresit Recommendation	Textile floor coverings, conductive		PVC flooring, conductive	Linoleum flooring, conductive	Rubber flooring, conductive	
	sheet	loose lay carpet tiles			smooth, sanded back	
					sheet	tiles
Conductive adhesive						
K 112 Special Conductive Adhesive			●		2 ●	2 ●

Resilient coverings						Others			Coverage g/m ² (approx. values) notch grade								GISCODE	EMICODE					
artificial nylons	polyolefin coverings	linoleum	rubber coverings		cork		skirting board, plinth, profile	floor coverings on walls ¹	Ceresit underlays	A0	A1	A2	A3	A4	B1	B2	B3	roller					
			smooth, sanded back		non- coated back	PVC- coated back																	
			sheet	panels																			
			●	● up to 4 mm thick					●					260							D1	EC1	
	●		●	● up to 2.5 mm thick					●	●				280	300	220					200	D1	EC1
		●				●			●					280	350	450						D1	EC1 Plus
		○				○			●					350			450	650				D1	EC1 Plus
		△	△	●					○					300			400	600				RU1	EC R PLUS
																					50 - 100	D1	EC 1 PLUS


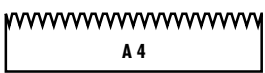




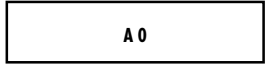
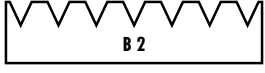

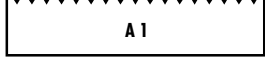
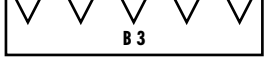

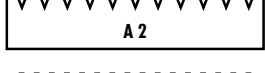
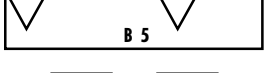
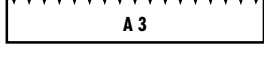

¹ Follow manufacturer's recommendations for adhesives.

CONDUCTIVE COVERINGS /WOOD FLOORING INSTALLATION

Ceresit Recommendation	Solid wood flooring							single-layer		
	strip parquet 22 mm	mosaic parquet	cross-grain lamellae	wood block RE	panel parquet	10 mm solid oak parquet, 250 x 50 mm	solid parquet, other woods and formats	strip and mosaic parquet	solid wood planks from 1200 mm length	strips up to 600 mm length
	Wood flooring adhesive									
P 625 2C PUR Adhesive	●	●	●	●	●	●	●	●	●	●
P 685 Elast Universal	●	○	○		●		●	●	●	●

● Ceresit recommended ○ Alternative recommendation

Notch grades:

	notch depth 2.55 mm notch width 1.80 mm notch interval width 0.10 mm		notch depth 0.75 mm notch width 1.10 mm notch interval width 0.40 mm		notch depth 6.30 mm notch width 5.60 mm notch interval width 6.90 mm
	notch depth 3.35 mm notch width 4.20 mm notch interval width 0.10 mm		notch depth 2.00 mm notch width 2.40 mm notch interval width 2.60 mm		notch depth 9.85 mm notch width 6.60 mm notch interval width 3.90 mm
			notch depth 2.55 mm notch width 3.00 mm notch interval width 2.00 mm		notch depth 3.00 mm notch width 4.00 mm notch interval width 1.50 mm
	notch depth 1.10 mm notch width 1.50 mm notch interval width 0.50 mm		notch depth 3.25 mm notch width 3.70 mm notch interval width 3.30 mm		notch depth 5.00 mm notch width 4.00 mm notch interval width 2.00 mm
	notch depth 1.40 mm notch width 1.70 mm notch interval width 1.30 mm		notch depth 5.15 mm notch width 5.70 mm notch interval width 14.3 mm		
	notch depth 1.50 mm notch width 1.60 mm notch interval width 0.40 mm		notch depth 5.00 mm notch width 6.10 mm notch interval width 7.90 mm		

Roller method

Engineered wood flooring							Coverage g/m ² (approx. values) for notch grade				GISCODE	EMICODE
two-layer	boards	three-layer			boards	laminate	B3	B11	B15	B17		
strips from 600 mm length		strips under 13 mm thickness		strips over 13 mm thickness								
		under 1200 mm length	over 1200 mm length									
●	●	●	●	●	●	●	800 - 1100	1000 - 1400	1100 - 1400	1200 - 1700	RU1	
●	● ³	● ³	● ³	● ³	● ³	●	750 - 900	900 - 1200	1050 - 1250		RS10	EC 1 R PLUS

³ = only tongue- and groove bonding

Relevant GISCODE groups for Ceresit products

- CP 1** Calcium sulfate-based levelling compounds
- D 1** Solvent-free dispersion floor laying materials
- RE 1** Epoxy resin products, solvent-free, sensitizing
- RS 10** Silane-modified polymers, containing methoxysilane
- RU 1** Polyurethane floor laying materials, solvent-free
- S 1** Highly solvent-containing floor laying materials, aromatic HC and methanol-free
- ZP 1** Cement-based products, low-chromate

EMICODE EC 1

Floor laying products bearing the GEV* sign EMICODE EC 1 are labeled as "very low emission" and offer the greatest possible assurance against ambient air contamination.

* GEV-Gemeinschaft Emissionskontrollierte Verlegewerkstoffe e.V. (Association for the Control of Emissions in Products for Flooring Installation)

EMICODE

The EMICODE® system of classification is based on a defined analytical test method and defined classification criteria of the "Gemeinschaft Emissionskontrollierte Verlegewerkstoffe e.V. (GEV)2 (Association for the Control of Emissions in Products for Flooring Installation). EMICODE® is the registered and protected trademark of a classification system by which indoor installation products, adhesives and construction materials can be divided and identified, according to their emission characteristics, into different classes. The term "low emission" on its own is neither standardised nor protected against misuse. EMICODE® offers recognition and a structured basis for review and selection of indoor installation products, adhesives and construction materials.

BLUE ANGEL

The German environmental label "Blue Angel" is awarded for low-emission flooring adhesives and for other floor installation products if they comply with the requirements under "RAL-UZ 113". The award criteria are based on an evaluation scheme developed by the AgBB "Ausschuss zur gesundheitlichen Bewertung von Bauprodukten" (Committee for the Healthrelated Evaluation of Building Products) – a joint state and federal government committee consisting of experts from environmental and public health authorities in Germany. The evaluation scheme promotes the development of products for indoor use with very low emissions of volatile and semi-volatile organic compounds that ensure a healthy indoor climate.

SHIPBUILDING

Floor installation products that are used in shipbuilding require a EUROPEAN COMMUNITIES DECLARATION OF CONFORMITY issued in accordance with the MARINE EQUIPMENT DIRECTIVE (MED) 96/98/EC. The Notified Body "See-Berufsgenossenschaft" declares that the products (highlighted with the steering wheel) are conforming to types as described in the EC Type- Examination Certificates.

Our recommendations are based on substrate surfaces prepared for laying floor coverings, according to DIN 18 365 resp. 18 356. Please follow the advice outlined in our technical data sheets, safety data sheets, packaging labels, and as well as the relevant national regulations. This issue supersedes all previous editions.

FLOOR CONSTRUCTION – QUICK FINDER

Top layer	Floor covering	PVC-/CV-coverings		Rubber floor coverings		Linoleum	Textile floor coverings	
		homogeneous screeds, vinyl tiles	Design covering	up to 4 mm	rubber panels >2 mm		Needle punch, tufted, woven	carpet tiles
	Adhesive	K 188 E		K 150	R 710	L 240 D	T 440	T 425
Substrate preparation	Levelling Compound	CN 69/XXL XPRESS						
	Primer	R 766						
	Filling							
	Crack sugery and repair							
	Substrate, new, permanent dry	Cement screed, rapid screed, concrete floors						

Top layer	Floor covering	PVC-/CV-coverings		Rubber floor coverings		Linoleum	Textile floor coverings	
		homogeneous screeds, vinyl tiles	Design covering	up to 4 mm	rubber panels >2 mm		carpet tiles	
	Adhesive	K 188 E		K 150	R 710	L 240 D	T 425	
Substrate preparation	Levelling Compound	CN 69/XXL XPRESS						
	Primer	-						
	Filling	-						
	Crack sugery and repair	-						
	Substrate, new, permanent dry	Mastic asphalt screed						

Top layer	Floor covering	PVC-/CV-coverings		Rubber floor coverings		Linoleum	Textile floor coverings	
		homogeneous screeds, vinyl tiles	Design covering	up to 4 mm	rubber panels >2 mm		Needle punch, tufted, wooven	carpet tiles
	Adhesive	K 188 E		K 150	R 710	L 240 D		T 425
Substrate preparation	Levelling Compound	CN 69/XXL XPRESS						
	Primer	R 766						
	Filling	-						
	Crack sugery and repair	-						
	Substrate, new, permanent dry	Calcium sulphate screed, Calcium sulphate fluit screed						

Top layer	Floor covering	PVC-/CV-coverings		Rubber floor coverings		Linoleum	Textile floor coverings	
		homogeneous screeds, vinyl tiles	Design covering	up to 4 mm	ubber panels >2 mm		carpet tiles	
	Adhesive	K 188 E		K 150	R 710	L 240 D	T 425	
Substrate preparation	Levelling Compound	CN 69/XXL XPRESS						
	Primer	Ceresit CT 17						
	Filling	-	-	-	-	-	-	-
	Crack sugery and repair	-	-	-	-	-	-	-
	Substrate, new, permanent dry	*V 100 clipboard/ **Gypsum boards or fibre plasterboards						

Ceresit



Your expert partner for floor covering technology



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