

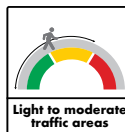
Universal Flooring

Flooring composite system

2 to 10 mm self levelling compound and universal adhesive for indoor use

CHARACTERISTICS

- ▶ Good self levelling and smooth surface
- ▶ Resistant to loads and traffic
- ▶ Pumpable
- ▶ Solvent-free & low-emission
- ▶ Excellent workability
- ▶ High initial tack and long working time
- ▶ Suitable for underfloor heating
- ▶ Low VOC system
- ▶ Light to moderate traffic areas



Light to moderate traffic areas



easy workability

DESCRIPTION

Universal Flooring system is a comprehensive composite of primer, floor leveling compound and adhesive, suitable for the majority of the indoor floor covering materials.

SCOPE OF USE

Ceresit CN 69 is a Self-levelling compound suitable for concrete, cement-sand screed and other mineral bases to create smooth surface ready to receive textile, PVC, Linoleum and rubber coverings as well as ceramic tiles. Also, suitable for heated floors. Ceresit CN 69 is recommended only for dry indoor areas.

Ceresit UK 400 special dispersion adhesive for bonding:

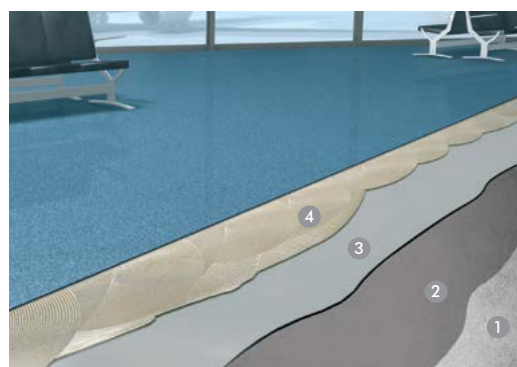
- PVC composite floor coverings with textile backing
- CV coverings
- tufted carpeting with textile backing
- linoleum sheet and tiles & PVC design floor coverings in private areas with low traffic load.

FLOOR LEVELLING COMPOUND

Ceresit CN 69 is a Self-levelling compound suitable for concrete, cement-sand screed and other mineral bases to create smooth surface ready to receive textile, PVC, Linoleum and rubber coverings as well as ceramic tiles. Also, suitable for heated floors. Ceresit CN 69 is recommended only for dry indoor areas.

ALL PURPOSE ADHESIVE

Fixing for textile & resilient floor coverings is done using UK 400 all-purpose adhesive using the thin bed fixing method.



1. Substrate
2. Ceresit R 777
3. Ceresit CN 69
4. Ceresit UK 400

APPLICATION INSTRUCTIONS OF FLOOR LEVELLING COMPOUND

The application temperature should be between 10°C to 40°C. Application procedures may vary slightly depending upon site conditions. The general recommended guidelines for the application of the coating system is as follows:

Surface preparation

Ceresit CN 69 adheres to all solid, load-bearing, clean and dry concrete surfaces free of substances which can cause separation. Wax coatings, oil, grease and adhesive stains must be removed completely. Concrete floors and cement screeds: Loose and soft layers of the subfloor should be removed mechanically. Clean the surface and remove the dust.

Priming

Prime the substrate with Ceresit Primer. On screeds dilute Ceresit R 777 1:1 with water, on concrete floors use Ceresit R 777 undiluted. Apply evenly with a lambskin roller. Do not allow the primer to form puddles. A second coat may be necessary on porous, highly absorbent substrates after drying. Apply Ceresit CN 69 when the primed surface is dry (approx. after 1 to 4 hours depending on the climate conditions).

Nonabsorbent substrates (e.g. old tile coverings): Clean nonabsorbent substrates such as old tile coverings or floors with adhesive residues mechanically.

The ingress of moisture into the floor structure must always be prevented by suitable measures (e.g. waterproofing membranes, barrier primers). This applies in particular to composite structures and concrete floors.

Application

Pour 5.5-6.0 liters of clean water into a mixing bucket and slowly add full bag (23kg) Ceresit CN 69, to get a lump free, homogeneous mix. Use appropriate mechanical stirrer (with suitable mixing paddle) at approx. 600 rpm for 3 minutes. Apply the levelling compound to the prepared, primed floor with either a flooring rake or smoothing trowel to the desired layer thickness. Once the material is evenly spread, roll the surface with an appropriate spike roller to eliminate the entrapped air. Protect the finished surface layer against too rapid drying (direct sunlight etc.). The mixed quantity of Ceresit CN69 must be used within application time of approx. 20–25 minutes @ 23°C.

Special Notes

Only carry out floor installation work if the floor temperature is above 15 °C, air temperature above 18°C and relative humidity below 75 %.

- Wait until the applied product is completely dry before continuing with the next steps. For this purpose, ensure favorable climatic conditions (recommended: 50 % rel. humidity, 20°C) and adequate air circulation.
- Protect the freshly applied levelling compound from direct sunlight and draughts.
- Do not mix the product with other floor levelling compounds.
- Do not use outdoors or in areas directly or indirectly exposed to moisture. If in doubt, use suitable moisture barriers.

Ceresit CN 69 is a Polymer-modified cement/gypsum combination that sets off an alkaline reaction with water. The risk of medium- or long-term release of appreciable concentrations of volatile organic substances (VOC) into the ambient air is negligible. Nevertheless, ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. Strongly alkaline reaction with moisture, so protect skin and eyes. After contact, wash immediately with plenty of water. After eye contact also seek medical advice.

Cleaning

Tools and equipment should be cleaned immediately with Polysolvent. Hardened materials can be removed mechanically only.

APPLICATION INSTRUCTIONS OF ALL - PURPOSE ADHESIVE

Surface preparation

Substrates must comply with the requirements of ATV DIN 18 365 "Flooring work", BS CP 8203, 8204 & 5325 or comparable national standards. In particular, they must be clean, free from structural defects, firm, dry and free of substances which may impair adhesion. After mechanical pretreatment (e.g. rinding/ vacuuming), prepare the substrate with suitable Ceresit primers and levelling compounds so that it is ready to receive floor coverings. Always grind calcium sulphate screeds and vacuum clean. On mastic asphalt screeds apply a layer of at least 2mm thickness.

Application

Stir the adhesive well and apply it evenly on the substrate with a suitable notched trowel.

PVC flooring: Apply the adhesive with an A2 notched trowel. Only cover as much area as can be laid with flooring while the adhesive is still wet. After an open time of approx. 15 minutes (or do a finger test), place the flooring into the still wet adhesive. Take care to avoid air pockets and carefully rub the flooring down to ensure good adhesive transfer to the backing. The flooring must be free of tension and lie flat on the substrate surface, otherwise weight it down. Avoid excessive stress on the seams. Protect the flooring from direct sunlight and, particularly in the curing phase, from exposure to higher amounts of moisture (e. g. from a basic cleaning). Do not seal or weld the seams earlier than 24 hours after installing the floor covering.

Textile flooring: Depending on the structure of the backing, apply the adhesive with a B1 or B2 notched trowel. After an open time of 10 – 15 minutes, place the flooring into the still wet adhesive. Take care to avoid air pockets and rub the flooring down well. When laying materials under high tension, it is necessary to rub the seams and head ends down again after some time.

Linoleum Flooring: For linoleum sheet or tile, apply the adhesive with a B1 notched trowel. Allow an open time of approximately 5 minutes, lay linoleum in the adhesive bed, rolling back the heads to dissipate tension in the covering, and immediately rub down or roll. Ensure the backing of the covering is well wetted. If necessary, drive out any trapped air bubbles to the sides. If needed, re-rub seams, heads and bight marks 5 – 20 minutes later.

Important Information

- Only carry out floor installation work if the floor temperature is above 15°C, air temperature above 18°C and relative humidity below 75%.
- Remove any skin of dried-up adhesive which may have formed (e.g. due to improper storage). Do not stir in.
- Immediately remove fresh spots of adhesive with a moist cloth.
- Tools and equipment can be cleaned with water.
- Tightly close opened buckets and use them up as soon as possible.
- Open and working time may vary depending on temperature, relative humidity and absorbency of the substrate. They will be shorter at higher temperatures and lower humidity, but longer at lower temperatures, higher humidity and with non-absorbent substrates.

PRODUCT SAFETY

Ceresit UK 400 is solvent-free and therefore a suitable alternative to solvent-containing products. The risk of medium or long-term release of appreciable concentrations of volatile organic substances (VOC) into the ambient air is negligible. Nevertheless, ensure good ventilation during and after application and drying. Avoid eating, drinking or smoking while processing this product. Protect skin and eyes. In case of contact with eyes or skin rinse immediately with plenty of water. After eye contact also seek medical advice. Information for allergy sufferers on: +49 (0)211 797-0 Keep out of reach of children.

For professional users.

Safety data sheet available on www.ceresit.com GISCODE D 1 solvent free according to TRGS 610 EMICODE EC 1PLUS very low-emission according to GEV

STORAGE & SHELF LIFE

Store in a cool, dry place and keep away from all sources of heat and sunlight. The shelf life is up to 12 months when stored as per recommendations and in unopened conditions.

HEALTH & SAFETY

As with all construction chemical products caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately.

SUPPLY

Ceresit CN 69	23 kg	paper bag
Ceresit R 777	5 and 20 kg	PE canisters
Ceresit UK 400	15 kg	Plastic bucket

TECHNICAL SPECIFICATION - CERESIT R777

PROPERTIES	VALUES	TEST STANDARDS
Supplied as	liquid	-
Colour	reddish liquid	-
Density, kg/L	approx. 1.00 + 0.05	-
Coverage		
-cement screeds, calcium sulphate screeds, levelling compounds, dry building boards	approx. 200 g/m ² diluted 1:1 = 100 g/m ²	R77
Coverage concrete floors	Approx. 300g/m ² (Undiluted)	
Drying time before screeding work		
-gypsum-based Ceresit levelling compounds on calcium sulfate screeds	None	
-cement screeds, concrete	Approx. 30min	
calcium sulphate screeds, dry building boards	At least 6hrs	
Drying time before direct bonding of floor coverings:		
-solvent-based and dispersion adhesives	approx. 6 hrs	
-PUR adhesives	approx. 24 hrs	
Temperature resistance		
-after curing	up to 50 °C	
-for transport and storage	0°C to 50°C	

All values given are subject to 5-20% variation

TECHNICAL SPECIFICATION - FLOOR LEVELLING COMPOUND - CERESIT CN 69

PROPERTIES	VALUES	TEST STANDARDS
Supplied as	Powder	-
Colour	Grey	
Powder density, kg/L	1.23+ 0.02	ASTM D 1475
Mix proportions	5.5 – 6.0 Litre of water for 23 kg dry mortar	
Application time, [minutes]	20-25	
Application temp, [°C]	10 to 40	
Consumption (theoretical)	1.6 kg/m ² per 1 mm layer thickness	
Flexural strength, N/mm ²	> 5.0	ASTM C 580 -98
Compressive strength at 28 days, N/ mm ²	> 20.0	ASTM C 579 -01
Walk-on time @ 35°C (Hours)	4-6	-
Ready for covering	after 24hours up to 5 mm @ 35°C 48hours up to 10mm @ 35°C	-

All values given are subject to 5-20% variation

TECHNICAL SPECIFICATION ALL PURPOSE ADHESIVE - CERESIT UK 400

PROPERTIES	VALUES	TEST STANDARDS
Supplied as	Cream paste	-
Shipping unit	33 buckets per pallet	
Open time, Minutes	Approx. 10	
Working time, Minutes	Approx. 35	
Load bearing, Hours	Approx. 24	
Cleanable	wet shampooing and wet extraction is possible with appropriate floor coverings, otherwise dry cleaning recommended	
Temperature resistance	Transport +5°C to +50°C Storage +10°C to +30°C	

All values given are subject to 5-20% variation

Apart from the information given here it is also important to observe the relevant guidelines and regulations of various organisations and trade associations as well as the respective standards. The aforementioned characteristics are based on practical experience and applied testing. Warranted properties and possible uses which go beyond those warranted in this information sheet require our written confirmation. All data given was obtained at an ambient and material temperature of +23°C and 50 % relative air humidity at laboratory conditions unless specified otherwise. Please note that under other climatic conditions hardening can be accelerated or delayed.

The information contained herein, particularly recommendations for the handling and use of our products, is based on our professional experience. As materials and conditions may vary with each intended application, and thus are beyond our sphere of influence, we strongly recommend that in each case sufficient tests are conducted to check the suitability of our products for their intended use. Legal liability cannot be accepted on the basis of the contents of this data sheet or any verbal advice given, unless there is a case of wilful misconduct or gross negligence on our part. This technical data sheet supersedes all previous editions relevant to this product.