



THE FLOOR BELONGS TO YOU.

CALCIUM SULPHATE SCREEDS NEED UZIN!

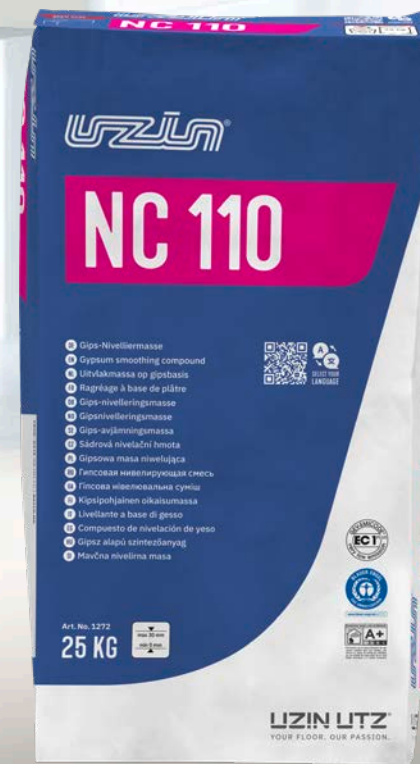
FLOORING INSTALLATION SYSTEMS FOR
ANHYDRITE, GYPSUM OR CALCIUM
SULPHATE SCREEDS



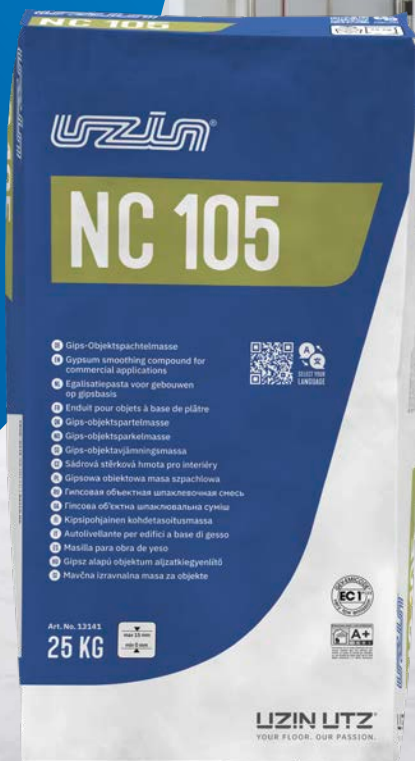
UZIN UTZ®

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WHY USE UZIN?



CALCIUM SULPHATE SCREEDS NEED UZIN.

Calcium sulphate screeds, also known as anhydrite or gypsum screeds, are becoming more popular because they provide a cost effective and eco-friendly alternative to labour intensive sand cement screeds. UZIN produces a range of mutually compatible calcium sulphate based products, such as smoothing compounds and rapid repair mortars, primers, adhesives and a unique damp proofing system. We also have solutions to repair cracks and stress induced joints. The entire range allows architects, main contractors or flooring contractors flexibility and reliability, confident in the knowledge that our systems have been rigorously tested and used in a number of projects across the UK.

PROJECTS CAN NOW BE EXPEDITED.

Waiting for damp anhydrite screeds to dry is now a thing of the past. UZIN has developed a solution to protect calcium sulphate screeds against residual moisture up to 95 % RH. The system allows projects to be completed much quicker and avoids delays.

TECHNICAL SUPPORT.

UZIN is renowned for problem solving solutions and technical service, visiting building sites and providing expert advice. We can also help you with moisture testing and provide written specifications for any of your projects. By working in partnership with customers, architects and clients, we provide the best solution for each project, even in the face of exceptional challenges. Whether a renovation or new build, industrial, commercial or residential project.

ALL YOUR FLOORING NEEDS.

Uzin Utz UK Ltd. is recognised worldwide as a leading manufacturer of flooring, resin and ceramic products across all industry sectors. The natural collaboration between our brands, UZIN (screeds & adhesives), codex (ceramic industry), Arturo (decorative resin flooring), WOLFF (machinery), Pajarito (tools) and PALLMANN (lacquers and oils) enable us to provide combined systems for a wide range of projects from renovation and refurbishment to new build schemes.

Industry Accreditations



PREPARATION OF CALCIUM SULPHATE SCREEDS

QUICK, EASY AND EFFECTIVE LAITANCE REMOVAL WITH WOLFF TOOLS

Prior to floor covering installation, the calcium sulphate screed should be smooth, clean and free of any contamination or laitance, which will impair the bond of any products installed over the top. After a calcium sulphate screed has been poured, laitance will form on the surface during the drying process. This resembles a hard, patchy white/cream and sometimes flaky residue or laitance. Any contamination or laitance must be removed by mechanical means, such as a Wolff Neo 230 grinding machine with ES-5K 20 diamond segments. A good vacuum extraction system will also be required as the calcium sulphate dust particles are very fine. The picture opposite shows the Wolff Neo 230 grinding machine with a pre-separator and Vacuclean 2 industrial vacuum. Once the floor has been ground sufficiently and the fine aggregates in the screed exposed, the floor should be thoroughly vacuumed before further work commences.





CRACK & JOINT REPAIR SYSTEMS FOR CALCIUM SULPHATE SCREEDS

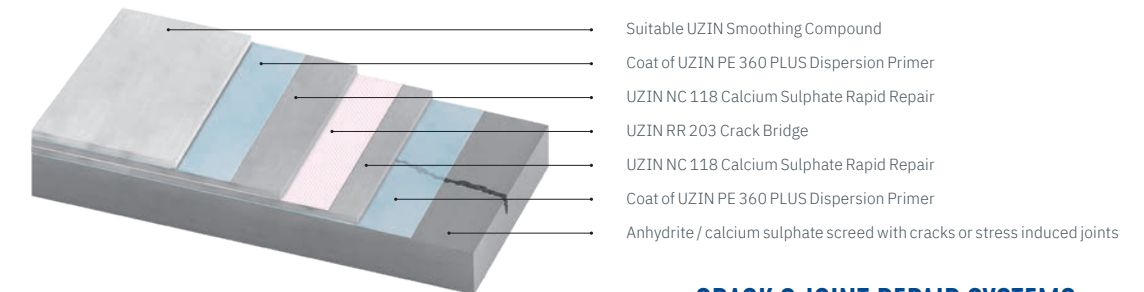
Floors need to be installed quickly and be available to other trades in the shortest time possible. Cracks may develop within anhydrite screeds depending on the climate and site conditions, which can cause problems and delays. Cracks and stress induced joints must be closed prior to the installation of the new floor covering. UZIN's range of crack repair systems are ideal for remedial repairs and allows screeds to be renovated quickly and easily.

MULTIPLE HAIRLINE CRACKS

UZIN RR 201 is a fibreglass renovation fleece which has extremely high levels of tensile strength and an enormous reinforcing effect when used in conjunction with UZIN primers and smoothing compounds. The high tensile strength and slip resistance of the fibres enables cracks in the screed to be bridged. The system is able to absorb and dissipate stresses, strains and vibrations from the subfloor. UZIN RR 201 can be used to avoid time consuming remedial work if a large amount of cracking occurs across the screed or reinforce screeds which are at risk from vibrations.

CRACK & JOINT BRIDGE

UZIN RR 203 or UZIN KR 516 are perfect for repairing or deflecting large singular cracks or stress induced joints. Whilst UZIN KR 516 is a traditional two component resin which is used to repair cracks with the aid of the corrugated links supplied in the kit, UZIN RR 203 is an innovative fibreglass crack bridge available on a roll or panel. Combining UZIN NC 118 rapid repair and UZIN RR 203 crack bridge is a proven system for deflecting cracks within the subfloor.

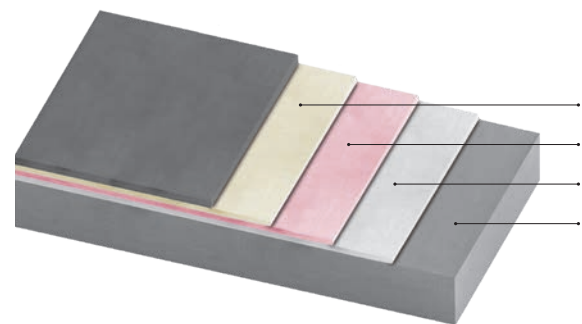


DPM SYSTEM FOR CALCIUM SULPHATE SCREEDS

PROTECT ANHYDRITE SCREEDS AGAINST RESIDUAL MOISTURE UP TO 95 % RH*

UZIN is renowned for pioneering innovative products to help support screeding contractors and builders. To help expedite projects, we have developed a unique system to protect calcium sulphate screeds against residual moisture up to 95 % RH*. A first for the industry!

Whether in a new build or refurbishment, protecting against subfloor moisture is critical for ensuring the success of any final floor finish. Our DPM system for anhydrite, calcium sulphate and gypsum screeds ensures any projects can be completed to schedule and helps prevent delays. With our expert knowledge, product range and technical service, we have the capability to overcome any problems or difficulties you may face on site.



Suitable UZIN Smoothing Compound

1 coat of UZIN PE 280 Rapid Drying Primer

2 coats of UZIN PE 404 Moisture Suppressant
or PE 480 Epoxy DPM

2 coats of UZIN PE 425 Penetrating Primer

Anhydrite screed with relative humidity up to 95 %*. Ensure that all surface laitance is removed to expose the screed aggregate.

*Up to 95 % RH for calcium sulphate screeds and suitable for under floor heating up to 90 % RH
(see the product data sheets for all products).





CALCIUM SULPHATE SCREEDS READING 75 % RH AND ABOVE*

FLOORS								
FLOOR COVERING	Wood***	Carpets Tiles	Carpets	Vinyl / PVC in sheets	Linoleum in sheets	Rubber in sheets	Luxury Vinyl Tiles	Any Arturo Resin**
ADHESIVES	PALLMANN P4 + 1 Component	UZIN U 2100 + tackifier	UZIN KE 2560 ^{UK} + solvent-free	UZIN KE 2000 S + pressure sensitive / wet set		UZIN KE 2000 S / UZIN KE 66	OR UZIN KE 66 + high temperature	Arturo EP6650 or Arturo EP6500 Primers or Arturo Water Based Coatings or Arturo EP7610 Water Based Seal Coat
SMOOTHING COMPOUND	UZIN NC 112 Turbo + rapid drying			OR	UZIN NC 110 + stress-free		OR	UZIN NC 105 + cost effective
PRIMER/REPAIR COMPOUNDS	UZIN PE 280 + rapid drying				UZIN PE 280 + rapid drying			
	UZIN PE 404 + 2 coats rapid drying		UZIN PE 480 + 2 coats		UZIN PE 404 + 2 coats rapid drying		UZIN PE 480 + 1 coat	
	UZIN PE 425 + 2 coats							
SUBFLOOR	Calcium sulphate screeds up to 95 % RH and drying* Ensure any laitance is removed and the screed aggregate is exposed.				Calcium sulphate screeds up to 85 % RH and drying* Ensure any laitance is removed and the screed aggregate is exposed.			

*Only suitable for under floor heating up to 90% RH and in conjunction with UZIN PE 425.

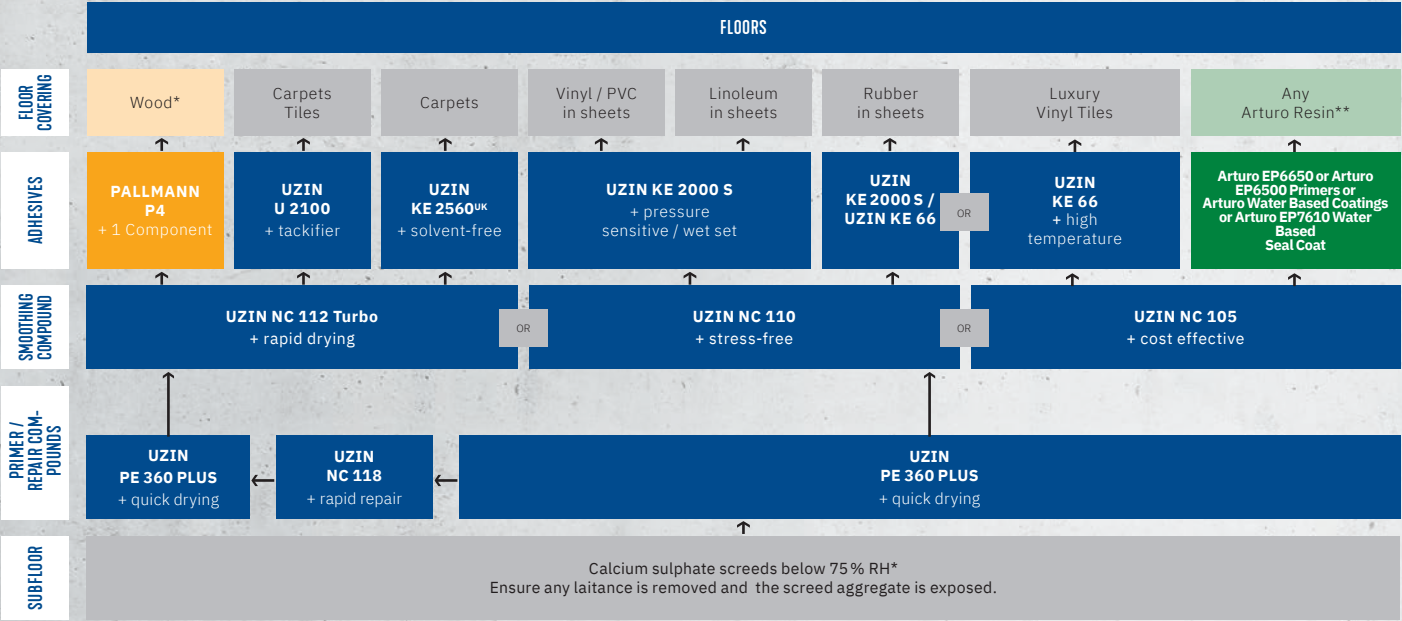
**Please contact us and we can provide a specification upon your requirements.

***When installing wood floors use these systems if the calcium sulphate screed is reading 65% RH and above.

The recommendations described should only be used as a guide. Detailed product data sheets are available from www.uzin.co.uk which should be used as a reference when using the products.



CALCIUM SULPHATE SCREEDS BELOW 75 % RH*



*For wood floors the calcium sulphate screed must be below 65 % RH.
 **Please contact us and we can provide a specification upon your requirements.

The recommendations described should only be used as a guide. Detailed product data sheets are available from www.uzin.co.uk which should be used as a reference when using the products.

CASE STUDY:

GAIA SPA & GYM AT BORINGDON HALL HOTEL

THE JOB / CHALLENGE

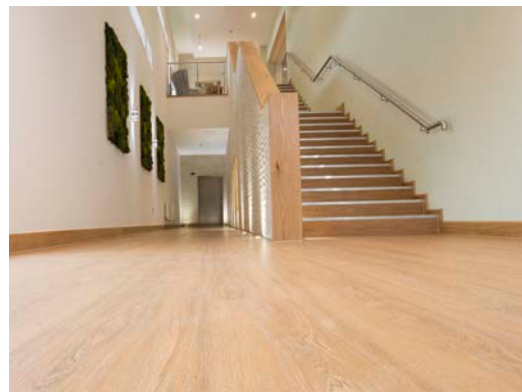
The Grade One listed Boringdon Hall Hotel in Plympton, near Plymouth, is a former medieval Manor House. The hotel believed this idyllic location would make the perfect destination spa and aimed to create luxurious fitness and well-being facilities. A high quality finish was therefore paramount. Approximately 900 m² of new flooring needed to be installed throughout the new Gaia Spa, including treatment areas, gym, boutique, restaurant as well as the reception and interconnecting corridors. The builders had used an anhydrite screed for the installation and the moisture levels were over 75 % relative humidity (RH). Waiting for damp anhydrite screeds to dry can take a long time, so the client required a solution to enable work to continue.

THE SOLUTION / IMPLEMENTATION

The flooring contractor, Russells Flooring Ltd, had a good working relationship with UZIN. After learning about UZIN's system to protect calcium sulphate screeds against residual moisture up to 95 % RH, Russells Flooring Ltd. decided to specify the system to help expedite the project. The innovative system enabled Russells Flooring Ltd. to install the new flooring in time for the client's opening date.

THE RESULT











The new Gaia Spa within the grounds of Boringdon Hall offers guests a relaxing experience with a luxury spa, fitness facilities and a swimming pool with countryside views. The new flooring complements the amenities helping create a tranquil and peaceful environment. The client was extremely happy with the finish of the floor coverings and Russells Flooring Ltd received exceptional feedback from the builders regarding their standard of work.













“We use UZIN products regularly and find their wide range of products and service outstanding, which helps provide a first class finish for our clients.”

Andrew Russell,
Company Director, Russells Flooring Ltd.

PRODUCT OVERVIEW

SUBFLOOR PREPERATION										
										
	UZIN PE 280	UZIN PE 360 PLUS	UZIN PE 404	UZIN PE 425	UZIN PE 480	UZIN KR 516	UZIN RR 201	UZIN RR 203	UZIN NC 118	UZIN NC 105
DESCRIPTION	Carbon Primer	Dispersion Primer	Rapid Drying Residual Moisture Suppressant	Epoxy Penetrating Primer	Epoxy DPM	Crack Repair Resin	Renovation Fleece	Crack Bridge	Calcium Sulphate Rapid Repair	Calcium Sulphate Smoothing Compound
PACK SIZE	5 kg & 12 kg	5 kg & 10 kg	10 kg	9 kg	5 kg & 10 kg	6 x 300 ml bottles A 6 x 300 ml bottles B*	75 m x 1.05 m roll & 25 m x 1.05 m roll	50 panels (0.80 m x 0.60 m) & 30 m x 0.8 m roll	20 kg	25 kg
APPROX. CONSUMPTION*	70 – 150 g/m²	80 – 120 g/m²	125 – 165 g/m²	50 – 200 g/m²	250 – 500 g/m²	approx. 100 ml / linear metre for narrow cracks			1.5 kg/m²/mm (for use up to 10 mm)	1.6 kg/m²/mm (1 to 15 mm)
SET FOR FOOT TRAFFIC*	Approx. 45 minutes	Approx. 1 hour	Approx. 60 to 90 minutes per coat	First coat: Approx. 1 – 2 hours Second coat: Approx. 12 – 48 hours	Approx. 12 to 24 hours per coat	45 minutes			Approx. 30 – 45 minutes	Approx. 3 hours at 3 mm
READY FOR COVERING*	Approx. 45 minutes	Approx. 1 hour	Approx. 60 to 90 minutes per coat	After the second coat: Approx. 12 – 48 hours	Approx. 12 to 24 hours per coat	45 minutes			Approx. 2 hours	Approx. 24 hours at 3 mm. For each additional 1 mm allow an extra 24 hours
STRENGTH CLASS (28 DAYS) BS EN 13892-2									C30 / F6	C25 / F6

*Dependant on the temperature and humidity as well as the thickness applied and type of floor covering installed. Please consult the product data sheet for each product before use.

FLOOR COVERING ADHESIVES							FLOOR COATING		
									
UZIN NC 110	UZIN 112 Turbo	UZIN KE 66	UZIN KE 2000 S	UZIN KE 2560 ^{UK}	PALLMANN P4	UZIN U 2100	ARTURO EP6650	ARTURO EP3020	ARTURO EP7610
Premium Calcium Sulphate Smoothing Compoundin	Rapid Drying, Sulphate Smoothing Compound	High Temperature Adhesive for Vinyl, Rubber & Luxury Vinyl Tiles	Pressure Sensitive Adhesive for Vinyl, Rubber, Lino & Luxury Vinyl Tiles	Carpet Adhesive	Wood Adhesive	Carpet Tile Tackifier	Water-based, Epoxy Primer	Water-based Epoxy Floor Coating available in various colours	Water-based Epoxy Seal Coat with a matt finish
25 kg	20 kg	6 kg & 14 kg	6 kg & 14 kg	14 kg	16 kg, 4 x 3.75 kg tubes, 600 ml tubes	10 kg	3.75 kg & 7.5 kg	10 kg & 25 kg	4 kg & 10 kg
1.5 kg/m²/mm (1 to 50 mm)	1.7 kg/m²/mm (1 to 30 mm)	240 – 280 g/m² depending on the notch sized used	180 – 380 g/m² depending on the notch sized used	350 – 475 g/m² depending on the notch sized used	1000 – 1200 g/m²	50 – 100 g/m²	75 –150 g/m² per coat	100 – 250 g/m²	100 – 120 g/m²
Approx. 2 hours at 3 mm	Approx. 1 to 2 hours at 3 mm	Approx. 24 hours	Approx. 24 hours	Approx. 24 hours	Approx. 24 hours	Approx. 30 – 60 minutes	Approx. 8 hours	Approx. 6 hours	Approx. 16 hours
Approx. 20 hours at 3 mm. For each additional 1 mm allow an extra 24 hours	Approx. 6 to 24 hours depending on the thickness & floor covering						Approx. 8 hours	Approx. 16 hours	Approx. 24 hours
C35 / F7	C40 / F10								



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