

CALCIUM SULPHATE SCREEDS NEED UZIN!

Flooring installation systems for anhydrite,
gypsum or calcium sulphate screeds



UZIN | A brand of Uzin Utz Group

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UZIN. THE FLOOR BELONGS TO YOU.





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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 as well as primers, adhesives and a unique damp proofing system. We also have solutions to repair cracks and stress induced joints. The entire range allows archi-

fects, 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 are 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.

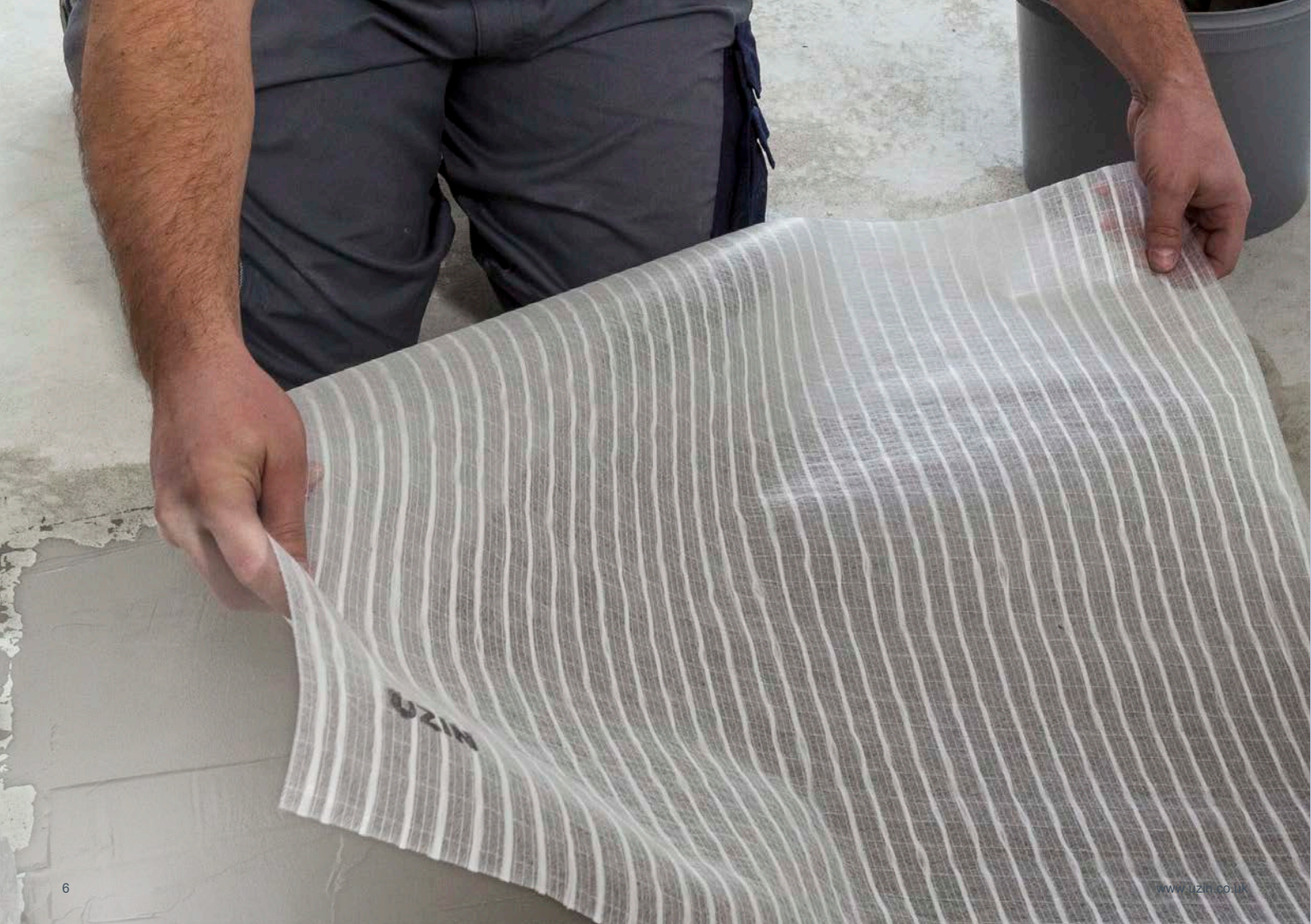
UZIN is renowned for problem solving solutions and technical service, visiting building sites and providing expert advice. We can also help you with moisture testing and provide written specifications for any of your projects. By working in partnership with customers, architects and clients, we provides 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 leading manufacturer of flooring, resin and ceramic products across all sectors of industry. The natural collaboration between our brands, UZIN (screeds & adhesives), codex (ceramic industry), Arturo (decorative resin flooring), WOLFF (machinery), and PALLMANN (lacquers and oils) enables us to provide combined systems for a wide range of projects from renovation and refurbishment to new build schemes.

Industry Accreditations





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 expansion 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.

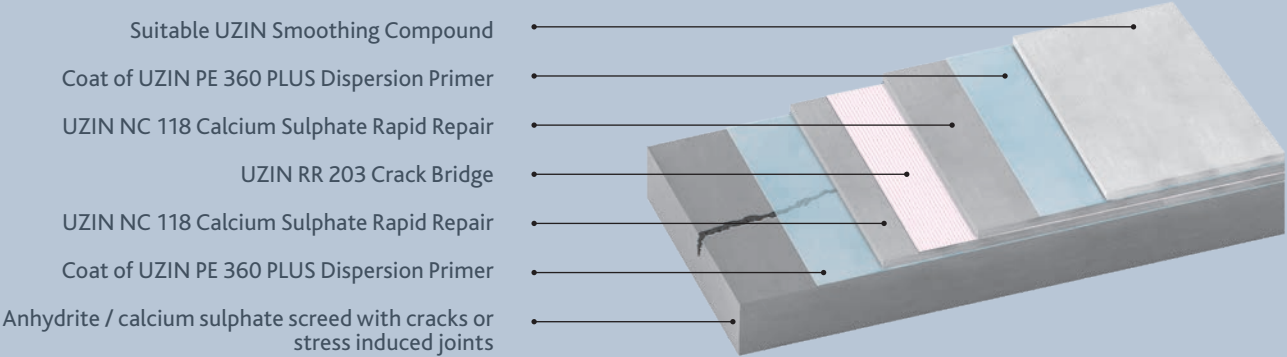
Multiple hairline cracks

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 large singular cracks or stress induced joints. Whilst UZIN KR 516 is a traditional two component resin which is used to seal cracks, 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 and suitable for repairing both.





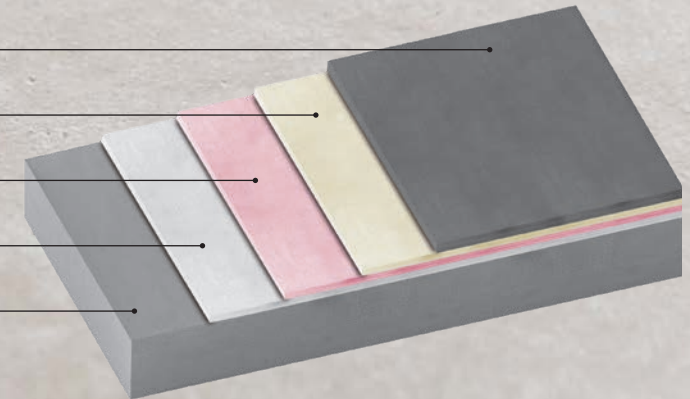
DPM SYSTEM FOR CALCIUM SULPHATE SCREEDS

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 sub-floor 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.

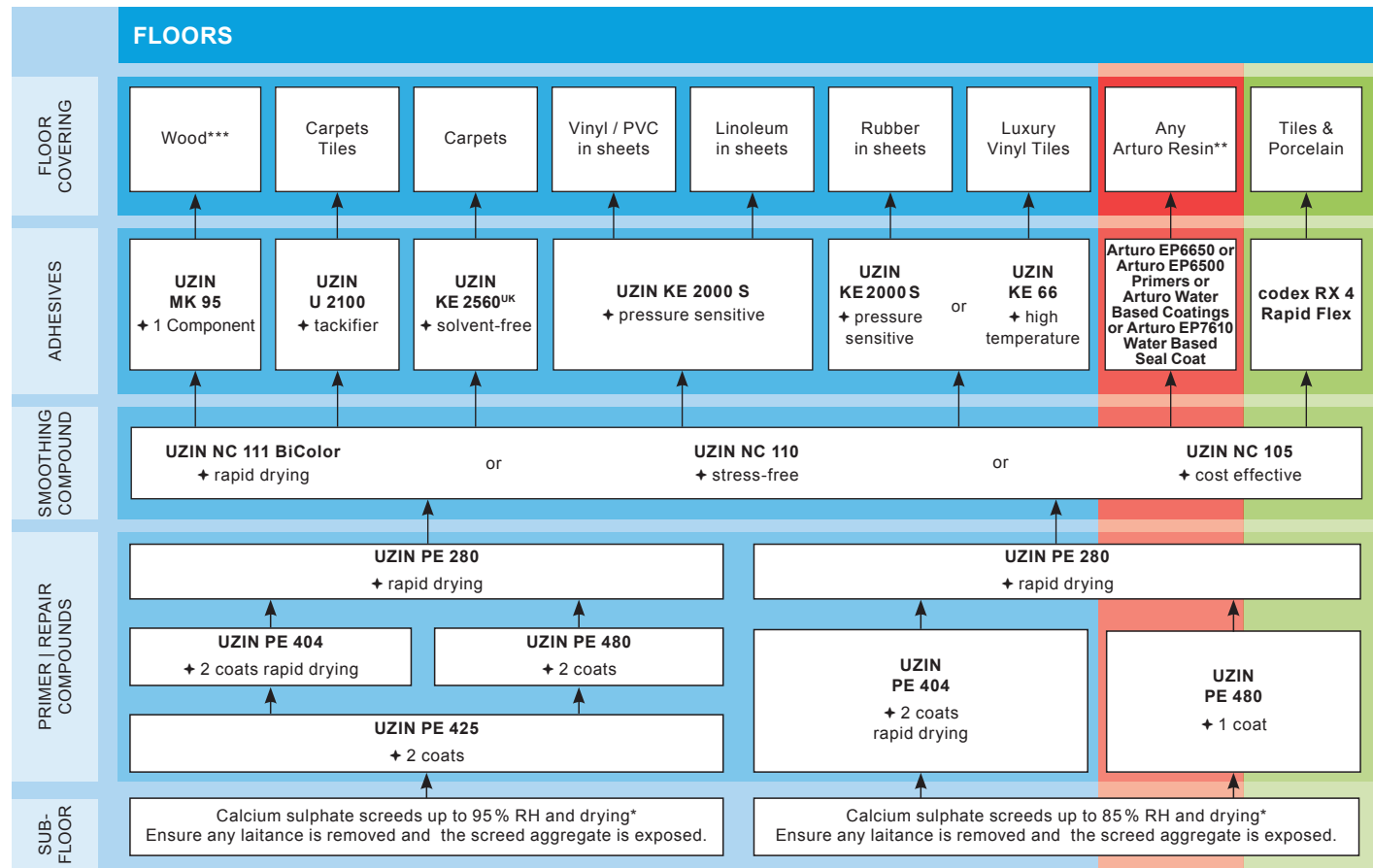
- Suitable UZIN Smoothing Compound
- 1 coat of UZIN PE 280 Rapid Drying Primer
- 2 coats of UZIN PE 404 Resin DPM or PE 480 Epoxy DPM
- 2 coats of UZIN PE 425 Penetrating Primer
- Calcium Sulphate / anhydrite screed with relative humidity up to 95 %*. Ensure that all surface laitance is removed to expose 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*



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

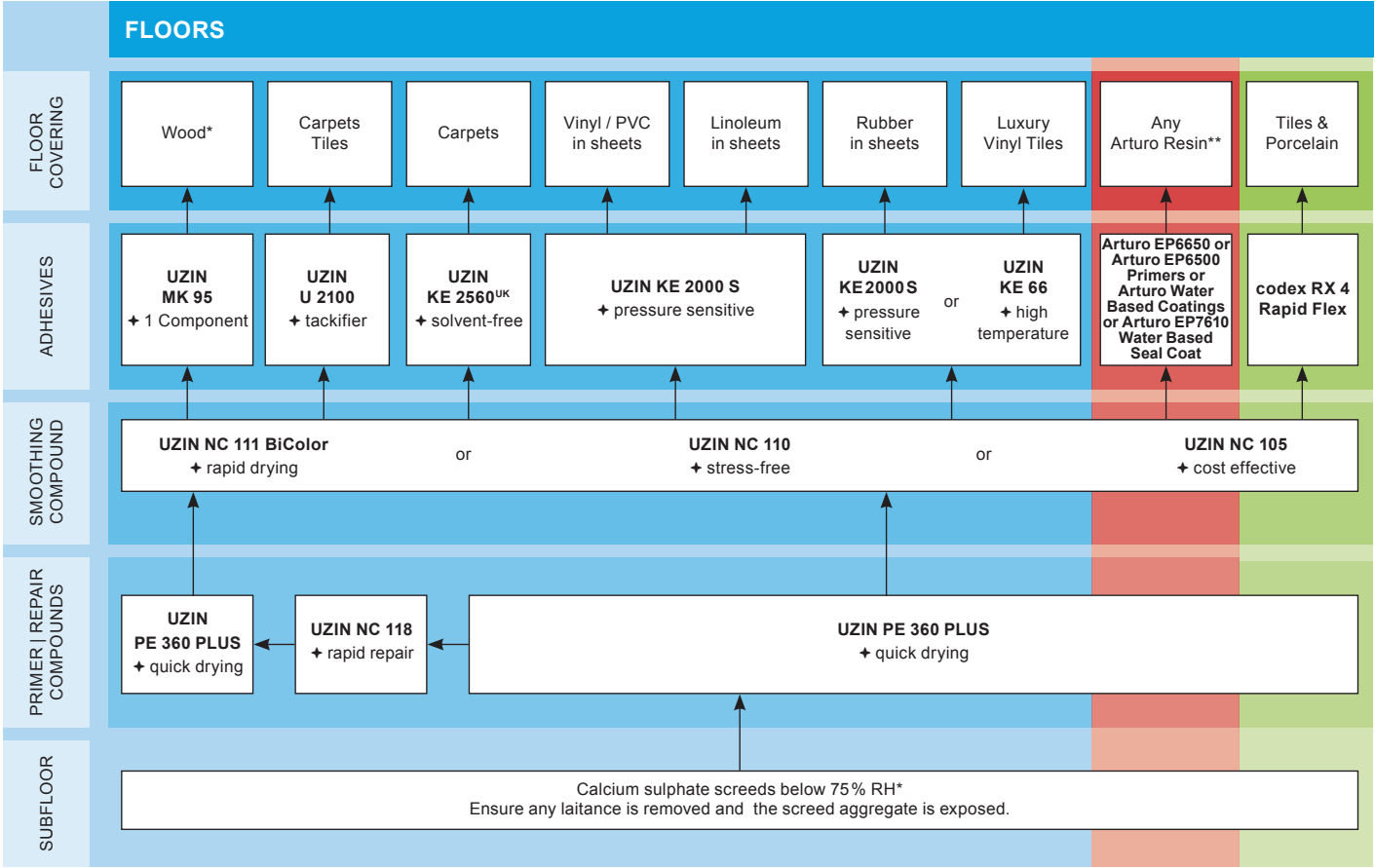
**Please contact us and we can provide a specification upon your requirements.

***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.

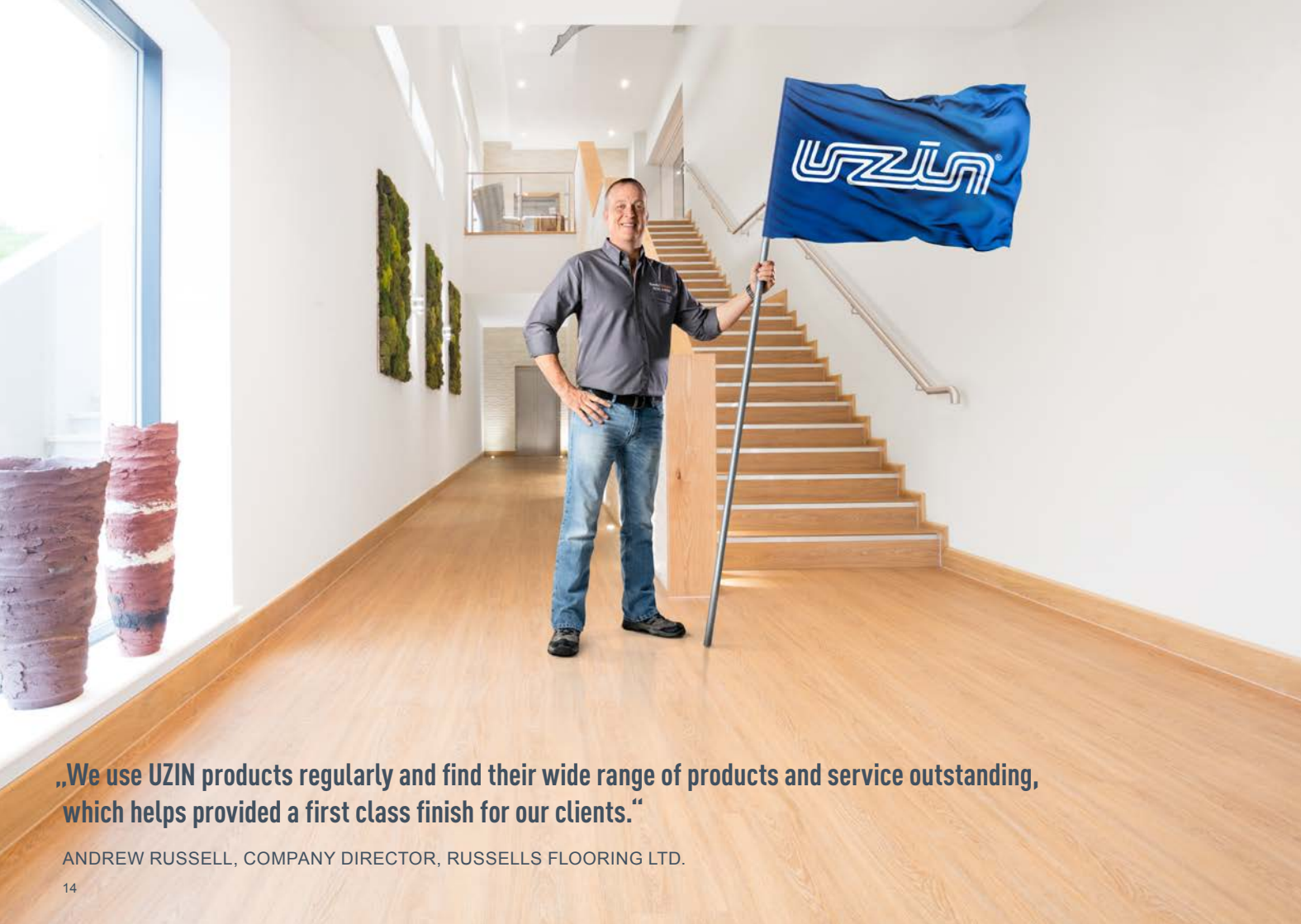


CALCIUM SULPHATE SCREEDS BELOW 75 % RH*



*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.



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

ANDREW RUSSELL, COMPANY DIRECTOR, RUSSELLS FLOORING LTD.

Case Study:

GAIA SPA & GYM AT BORINGDON HALL HOTEL

THE JOB / CHALLENGE

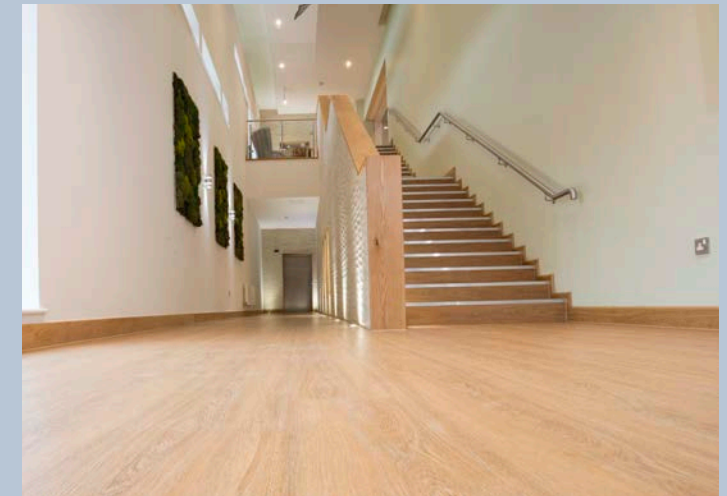
The Grade one listed Boringdon Hall Hotel in Plympton, near Plymouth is a former medieval Manor House. The hotel believed this idyllic location would make the perfect destination spa and aimed to create luxurious fitness and wellbeing facilities. A high quality finish was therefore paramount. Approximately 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 works to continue.

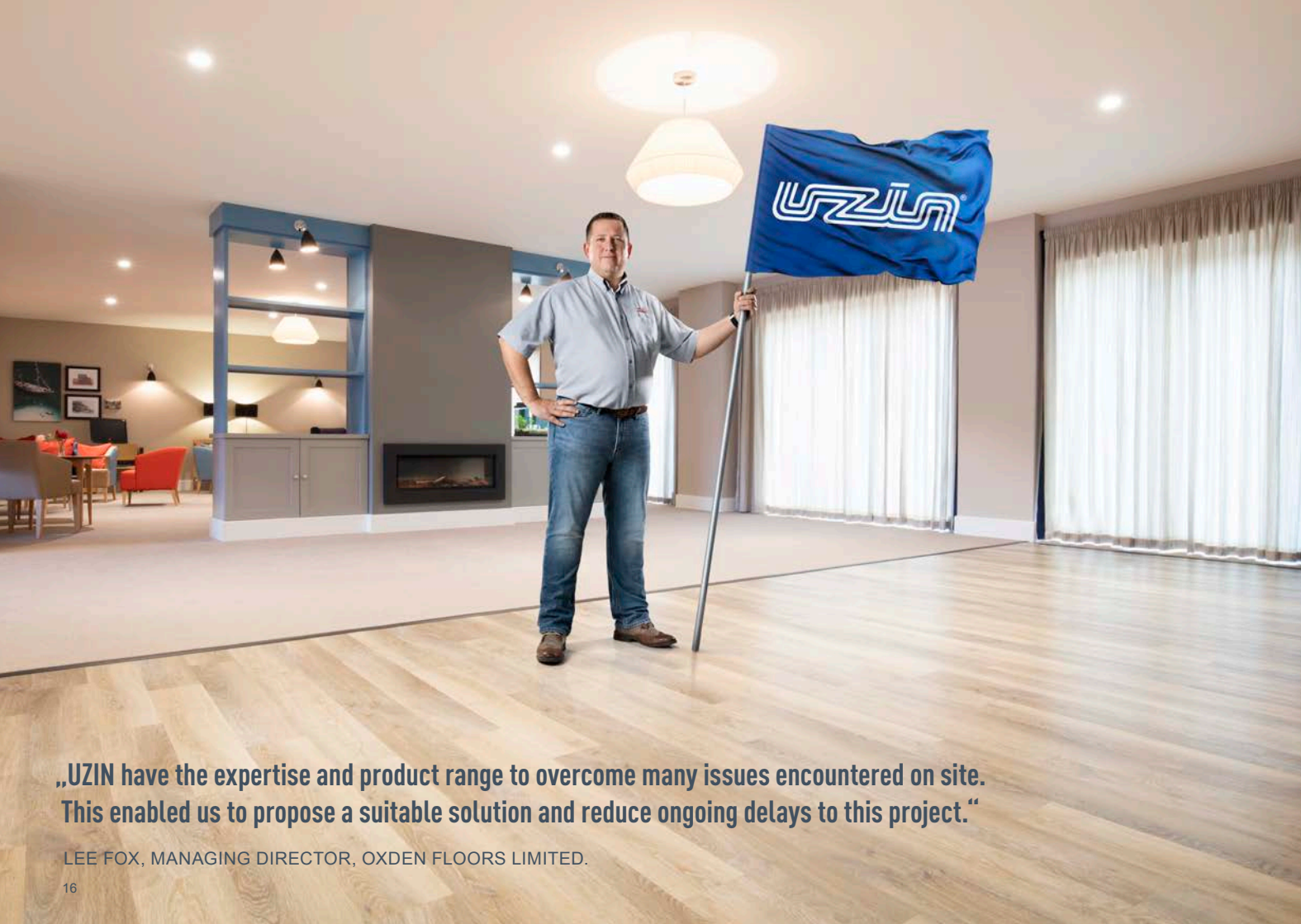
THE SOLUTION / IMPLEMENTATION

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 clients 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 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.





„UZIN have the expertise and product range to overcome many issues encountered on site. This enabled us to propose a suitable solution and reduce ongoing delays to this project.“

LEE FOX, MANAGING DIRECTOR, OXDEN FLOORS LIMITED.

Case Study:

FARROW COURT SHELTERED HOUSING

THE JOB / CHALLENGE

Farrow Court is one of Ashford's older sheltered housing schemes. Planning permission was granted to redevelop the site to provide a new dementia-friendly facility comprising a much larger day centre for use by the local community as well as the residents of Farrow Court. Oxden Floors Limited were contracted to supply and install floor coverings to 33 flats and communal areas over 4000 m². The main contractors used a pumpable anhydrite screed to the first and second floor levels. A site survey by Oxden Floors Limited identified a number of issues with the screed. There was evidence of laitance and areas of damaged floor screed due to ingress of rain.

THE SOLUTION / IMPLEMENTATION

With UZIN's specialist range of products for remedial work and systems for calcium sulphate screeds Oxden Floors Limited approached UZIN to undertake the moisture testing and provide a recommendation. Together with the site team it was agreed that the laitance needed to be removed, the damaged areas of screed repaired and protected against damp. The UZIN product system was installed and provided a solid, sound and quality base in which to commence the floor covering installation.

THE RESULT

Although the complications with the screed added a fair amount of additional work to a challenging 10 week timescale, between the site operatives and Oxden Floors Limited the overall hand over date was not compromised. The final finish of the subfloor preparation was well received by all and ensured a quality finish for the carpet and vinyl installation with the use of UZIN adhesives. Due to the professional advice offered and quality of the works Oxden Floors Limited have now secured the contract for Phase 2 of the project.



PRODUCT	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 PU DPM / Primer	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	2 x 3 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.

UZIN NC 110	UZIN NC 111 BiColor	UZIN KE 66	UZIN KE 2000 S	UZIN KE 2560 ^{UK}	UZIN MK 95	UZIN U 2100	CODEX RX 4 RAPID FLEX	ARTURO EP6650	ARTURO EP3020	ARTURO EP7610
										
Premium Calcium Sulphate Smoothing Compound	Rapid Drying, Colour Changing Calcium 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	Rapid Setting Flexible Adhesive	Water-based, Epoxy Primer	Water-based Epoxy Floor Coating available in various colours	Water-based Epoxy Seal Coat with a matt finish
25 kg	25 kg	6 kg & 14 kg	6 kg & 14 kg	14 kg	16 kg	10 kg	20 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 10 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	1.7 – 3.0 kg/m² depending on the notch sized used	75 – 150 g/m² per coat	100 – 250 g/m²	100 – 120 g/m²
Approx. 2 hours at 3 mm	Approx. 2 hours at 3 mm	Approx. 24 hours	Approx. 24 hours	Approx. 24 hours	Approx. 12 hours	Approx. 30 – 60 minutes	Approx. 2½ – 3 hours	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 30 hours depending on the thickness & floor covering					Approx. 30 – 60 minutes	Approx. 2½ – 3 hours	Approx. 8 hours	Approx. 16 hours	Approx. 24 hours
C35 / F7	C50 / F10									