

*flooring chemicals*



*product catalogue*



**DENLAKS®**

**UZUN®**

[www.denlaksuzin.com](http://www.denlaksuzin.com)

# COMPANY PROFILE



## DENLAKS®

*All about adhesives*



Since the foundation of Denlaks in 1974, our main goal is best described as a dedication to customer satisfaction, quality, mankind and environment through professional service and personal integrity. Over 40 years of history the family-run business is continuously developing under its modern, 18.000 m<sup>2</sup> facilities located in Istanbul.

As Oynurden group of companies we serve our customers 350 superior products for mainly footwear, construction, furniture, textile, lamination, carpet, paper & packaging, foam & mattress, natural stone & marble, transport and filter industries with brands Denlaks, Denlaks Uzin and Ribond.

Our main business philosophy is providing services and products of the highest quality and persistency, pursuing and supporting innovations, treating business partners fairly, with respect and conducting business with integrity.

There has been a continuous effort to provide 1.200 customers in 40 different countries worldwide, the most efficient and effective service with R&D laboratories, marketing and sales employees and technical staff during sales and aftersales activities. In the last 20 years, the increase in the Denlaks operations abroad is a result of our consistent growth.

In year 1998, we have been awarded with ISO 9002 certification on Quality Management System, reaffirming the company's primary policy and commitment to quality. This certificate was upgraded in 2010 as ISO 9001:2008 by SGS Yarsley International Certification Services. Responsible Care programme has been set in the system which shows our commitment and desire to improve the performance in the field of occupational safety, environmental protection and health protection. A final programme has been completed in 2014, setting our standards related to environmentally oriented requirements, responsibilities, regulations, laws and awarded to carry ISO 14001 Environment Management System Certification again by SGS Yarsley International Services.





The youngest member of the group, PRODEN CONSTRUCTION CHEMICALS Ltd. was founded in year 2003 and signed a licence agreement with UZIN UTZ AG for producing Uzin products for the flooring market with German know-how. As a market strategy, the brand is named as DENLAKS UZIN, combining both companies.

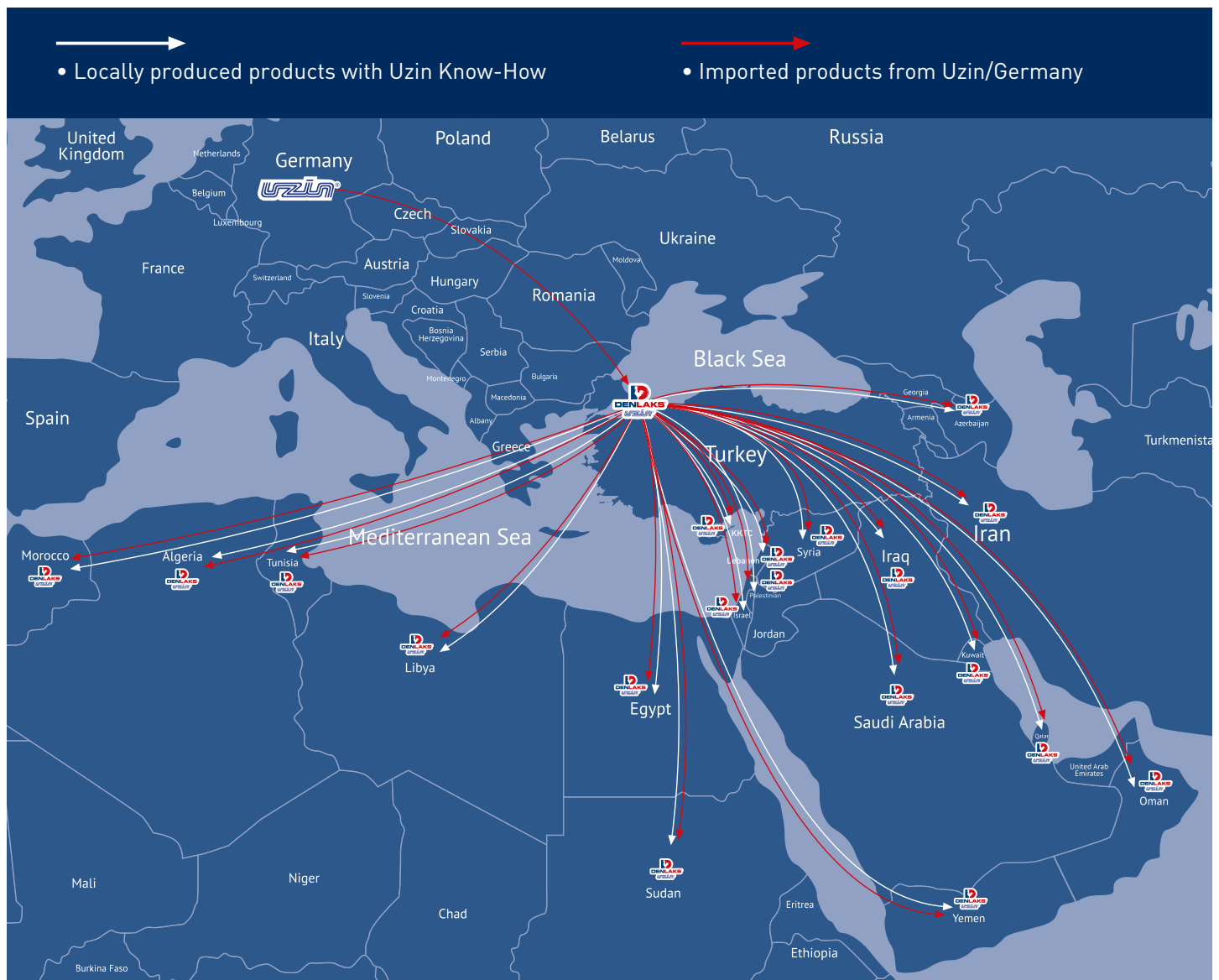
This agreement provides the right to produce and market flooring chemicals. Eight months after the agreement was signed, the new powder production facility and new offices were established in Istanbul.



# INTERNATIONAL MARKETING NETWORKS

With a continuous progress, PRODEN gained the market leadership in the local market in a short period of time. Five years later, in year 2008, a second agreement was signed which extended the partnership for another 10 years. More importantly, ensures PRODEN the authorization to manufacture and sell all products of all brands of UFLOOR systems in the whole Middle East, North Africa region.

After taking over the MENA region, an aggressive marketing strategy was put into action to increase the sales and brand awareness.



**Export locations:** Jordan, Iran, Saudi Arabia, Lebanon, Iraq, Morocco, Yemen, Bahrain, Algeria, Azerbaijan, Qatar, Cyprus, Libya, Kuwait, U.A.E., Egypt, Oman, Tunisia, Israel, Syria, Sudan, Palestine.

*P*roduction of quality solutions without harming the environment, providing our customers superior products and services the right way with integrity in our business, evaluating national regulations, setting high standards, expectations and motivating workplace for all employees are our **CORE VALUES**,

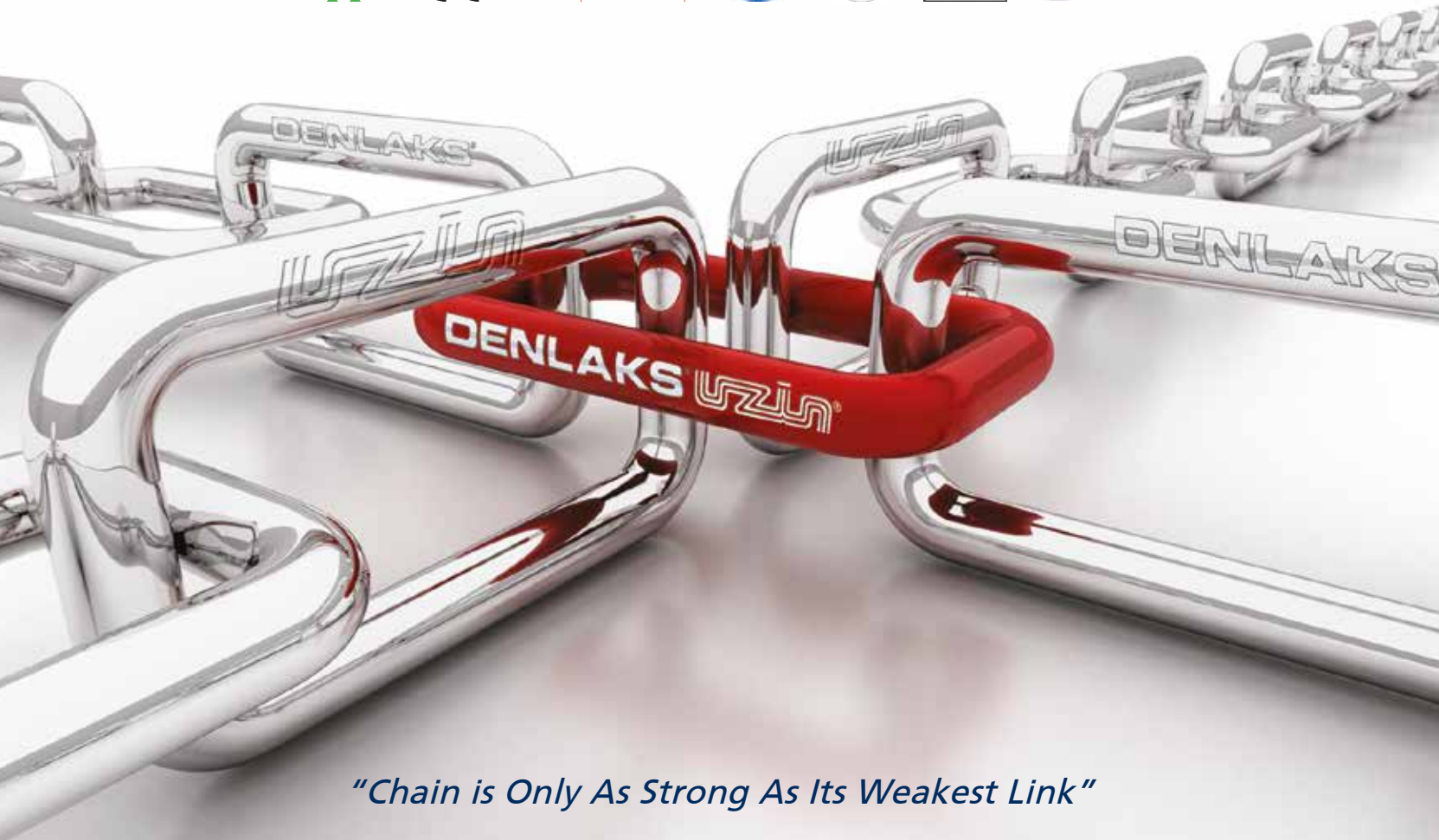
Representing our country in the best way possible among countries, making **“DENLAKS” A GLOBALLY KNOWN BRAND** and deliver world class performance are our main targets.

**“TIME”** is a priceless treasure and waits for no one. Utilizing time more wisely and efficiently is one of our main corporate visions.

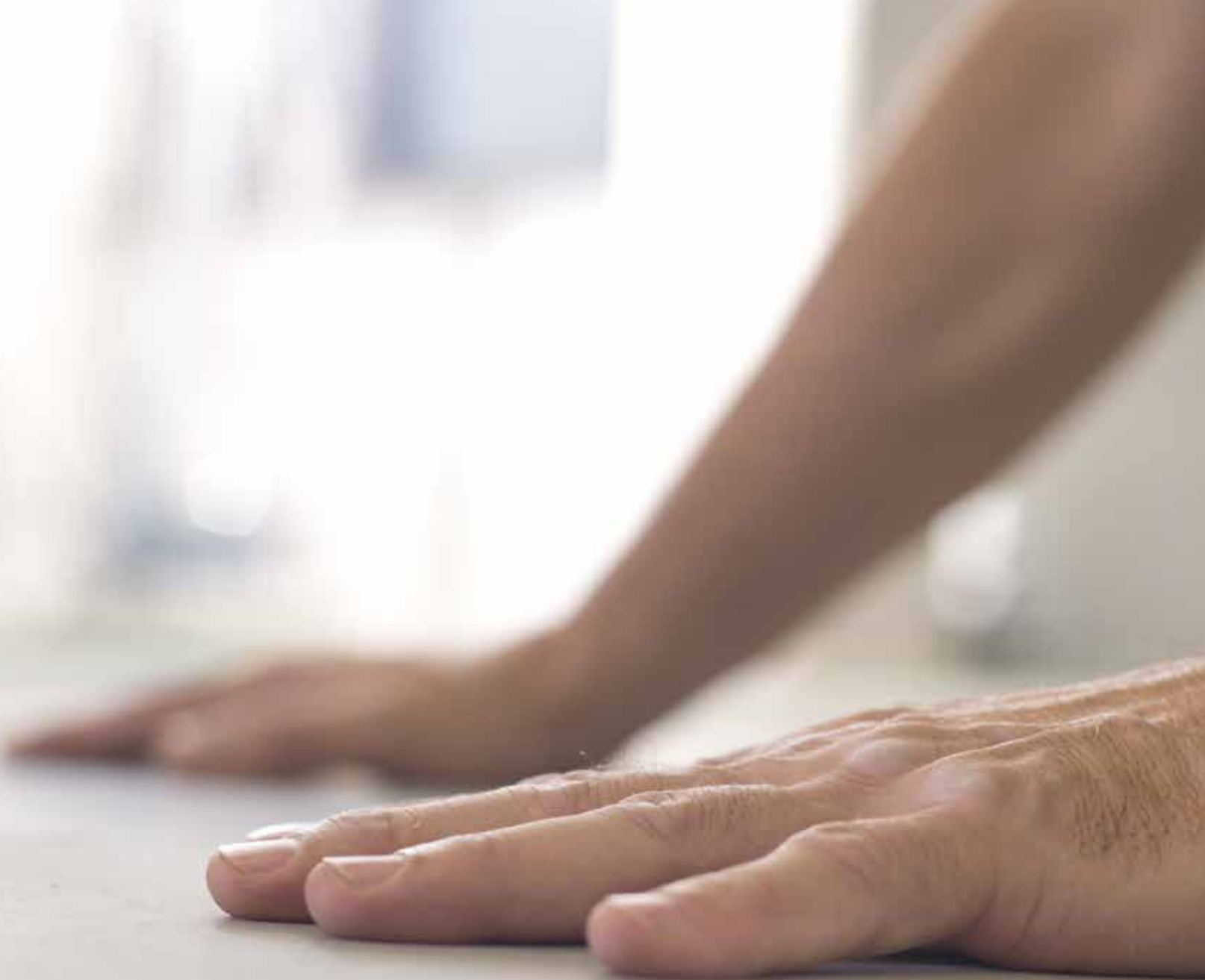
We follow and update continuously our **“QUALITY AND ENVIRONMENTAL POLICIES”** to bring our business partners the most affordable services.

Globalisation integrated countries generating further independence of ideas, products, economics and other aspects of culture. We believe in the quote **“The World is My Country”** and committed to improve the use of most efficient and clean energy resources in our daily operations to provide a cleaner environment and toward a more liveable World.

*SUCCESS BELONGS TO ALL OF US.*



*“Chain is Only As Strong As Its Weakest Link”*



**DENLAKS®**

**UZUN®**



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**Installation systems  
for flooring and  
wood flooring**



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**Machinery and  
special tools for  
substrate  
preparation**



**Pallmann**

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**Products and  
systems for the  
surface treatment of  
wood flooring**

The logo for SIFLOOR features the word "SIFLOOR" in white capital letters inside a red rectangular box.

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**Self-adhesive and  
pressure-sensitive  
film systems for  
resilient floor  
coverings**

The logo for codex X features the word "codex" in black lowercase letters and a large white "X" inside a green rectangular box.

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**Installation systems  
for ceramic tiles and  
natural stone**



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**Cleaning and care  
systems for all types  
of floor coverings**



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# SUBFLOOR PREPARATION

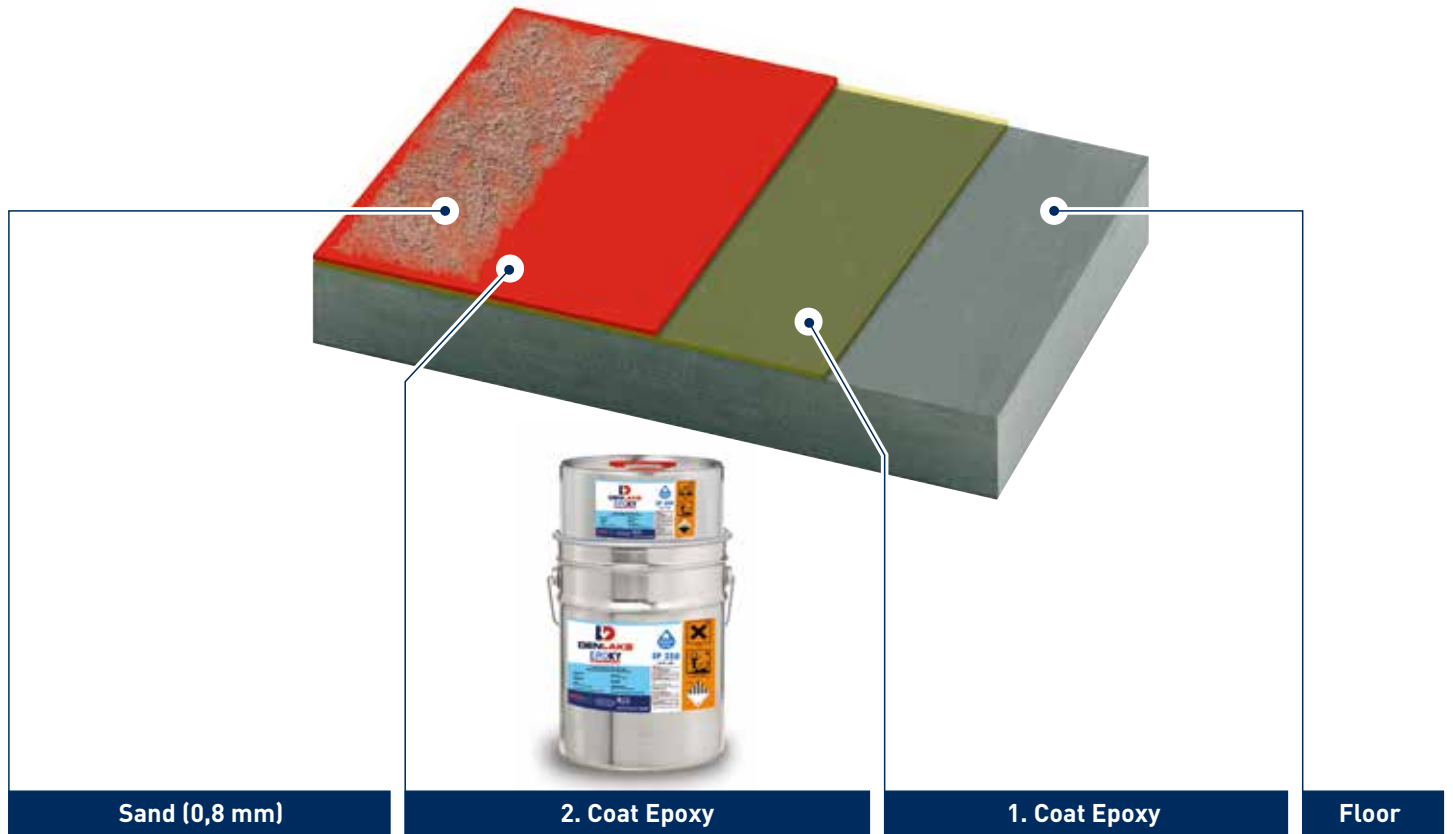
Every substrate places its own demands on the type of preparation. For Denlaks Uzin, choosing the right system, proper and professional preparation of the subfloor is the most important step towards a perfect floor construction. Therefore we offer high quality primers, self levelling compounds, adhesives, underlays and many auxiliary chemicals for the optimum, load-bearing foundation.

1		<b>Cleaning the Substrate</b> The substrate must be level, sound, free from cracks, dry, clean and free from materials which would impair any application. Thoroughly vacuum the substrate, grind or brush according to the condition.	
2		<b>Checking the Evenness of the Subfloor</b> The evenness of the subfloor should be checked by a measuring wedge or a laser measure in order to decrease material consumption.	
3		<b>Determination of the Residual Moisture of Substrate</b> Moisture content of the substrate can be determined by CCM instrument or hygrometer.	
4		<b>Hardness of the Floor</b> In addition to evenness and moisture, hardness of the floor should also be determined by a scratch tool. Torn-out parts and the scratched grid of the floor are used to judge the strength of the floor.	
5		<b>Closing Cracks and Joints</b> Random cracks and construction joints can be closed permanently with Uzin KR-416	

### Applying the Correct System

Please refer to the product data sheets, information on the packaging or label for products used. Choosing the suitable primer for the condition of the subfloor, the exact self levelling compound to the thickness and strength needed and the correct adhesive for the floor covering will guide you to success.

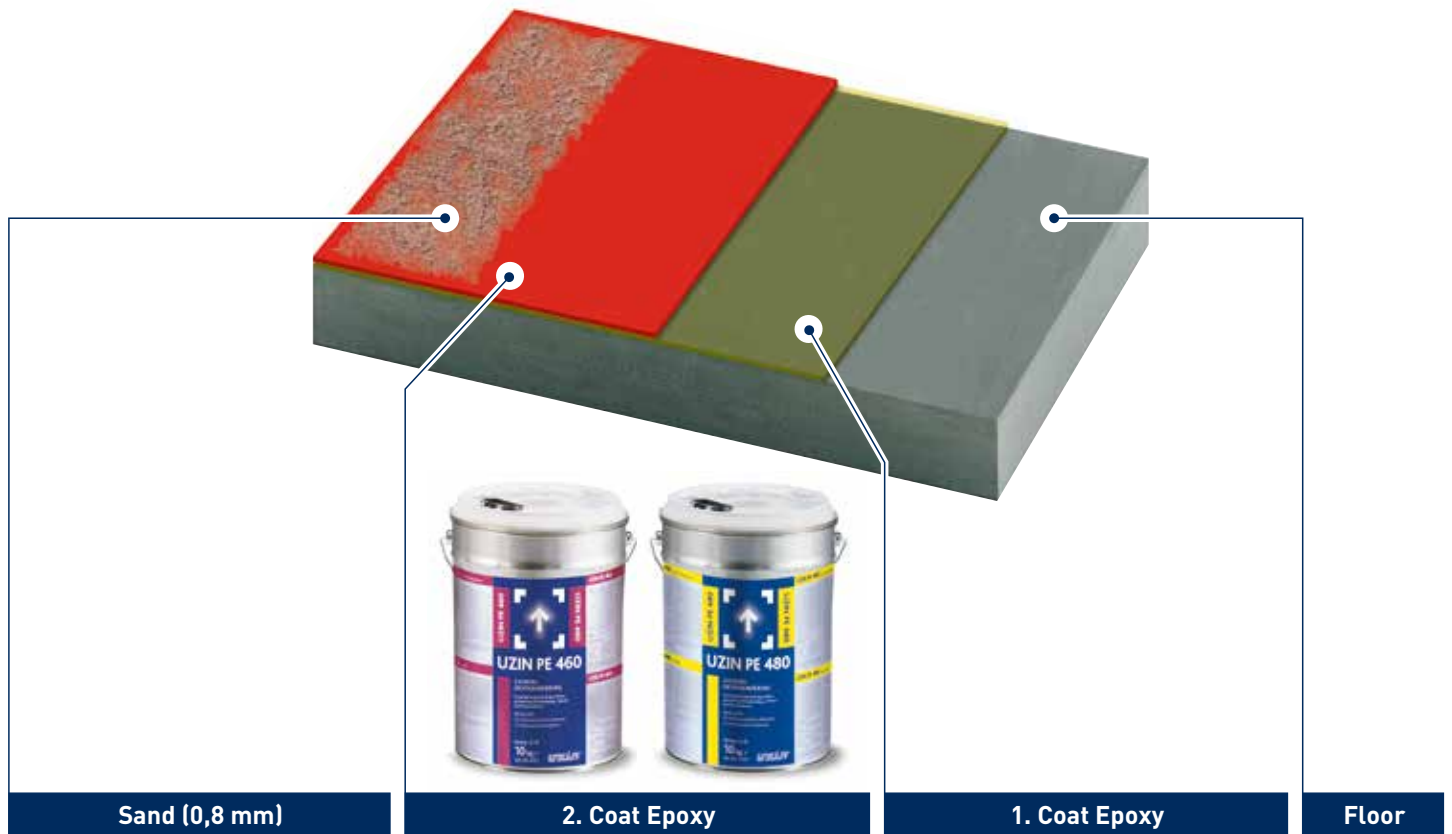
# FLOOR STRENGTHENING SYSTEM



➔ Epoxy based **Denlaks EP 250** is a two component system. Thoroughly blend component A and component B with spiral mixer before application. Apply an even coat of primer onto the substrate with nylon fibre roller. When the first coat is dry to accept foot traffic, but within 24 hours, apply the second coat using crossstrokes. Then fully scatter-coat with 0,8 mm (approx. 2kg/m<sup>2</sup>) sand and let dry completely. When hardened, sweep off loose sand, vacuum and apply the desired self levelling compound.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# MOISTURE BARRIER APPLICATION



➔ One of the main problems seen on construction site is the residual moisture. To build a strong subfloor, determination and prevention of residual moisture is essential. Formation of blisters, detachment of coating, deformity on the substrate, delay of the project can be avoided easily and reliably by applying suitable **Denlaks Uzin** products.

Determination of the residual moisture on the floor pavement can be carried out by CCM instrument.

- If the residual moisture value is between %2 - %5, **Uzin PE 460** is advised,
- If the residual moisture value is over %5, **Uzin PE 480** is advised.

**Uzin PE 460** and **Uzin PE 480** are both two component systems. Thoroughly blend component A and component B with Uzin Spiral Mixer before application. Apply an even coat of primer onto the substrate with nylon fibre roller. When the first coat is dry to accept foot traffic, but within 24 hours, apply the second coat using crossstrokes. Then fully scatter-coat with 0,8mm (approx. 2kg/m<sup>2</sup>) sand and let dry completely. When hardened, sweep off loose sand, vacuum and apply the desired self levelling compound.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# FLOATING PAQUET FLOORING APPLICATION



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

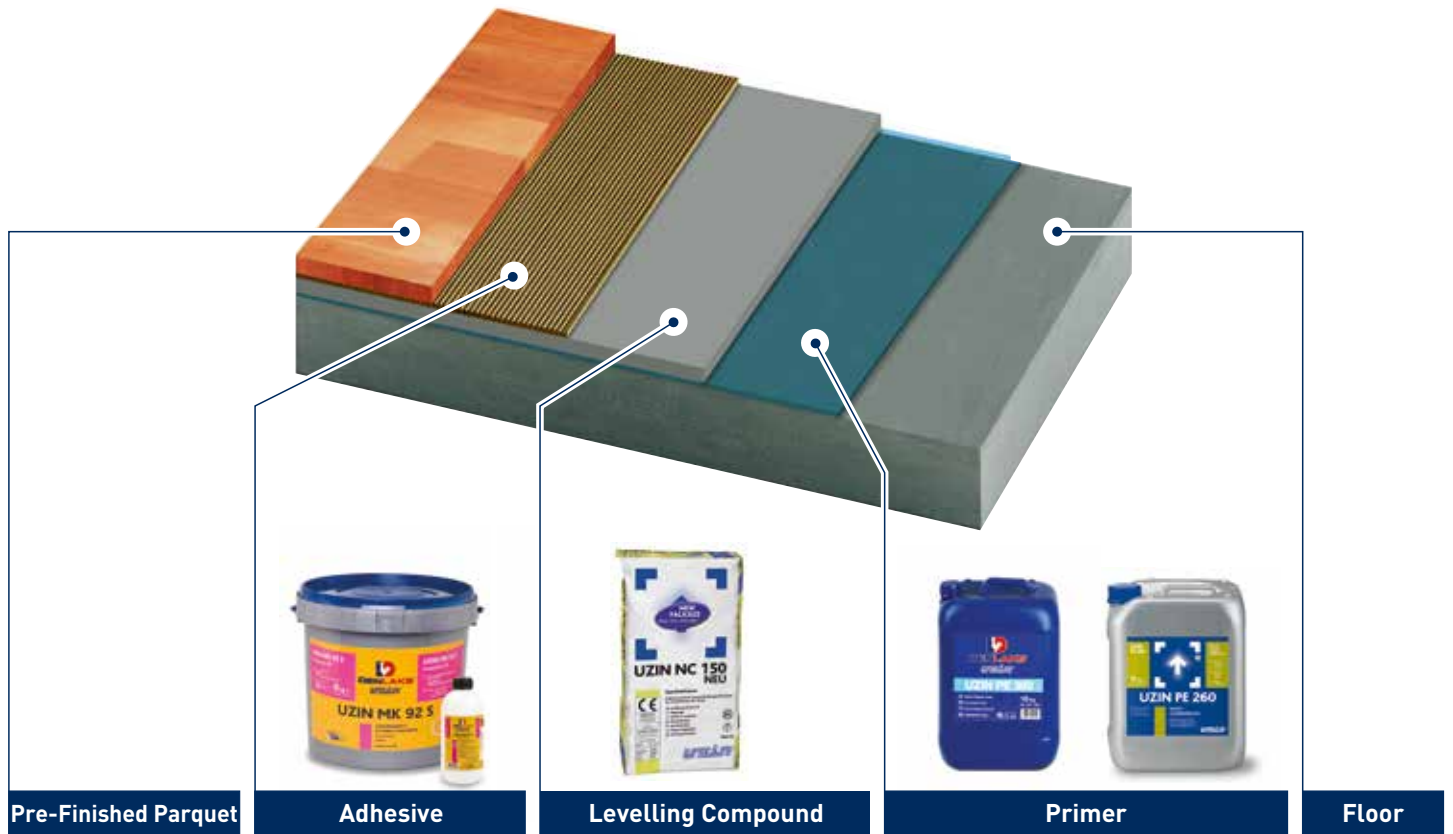
Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Apply **Denlaks Lamine Parke Tutkal** or **Uzin MK 33** adhesive to the upper surface of the tongue or into the groove. Then push the wood components together within the open time and, if necessary, knock together with a mallet or hammer. If the correct quantity is applied, a small amount of glue will squeeze out of the joint. With pre-finished wood flooring and laminate flooring, immediately wipe off any excess adhesive with a damp cloth.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# APPLICATION SYSTEM FOR PRE-FINISHED PARQUET



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

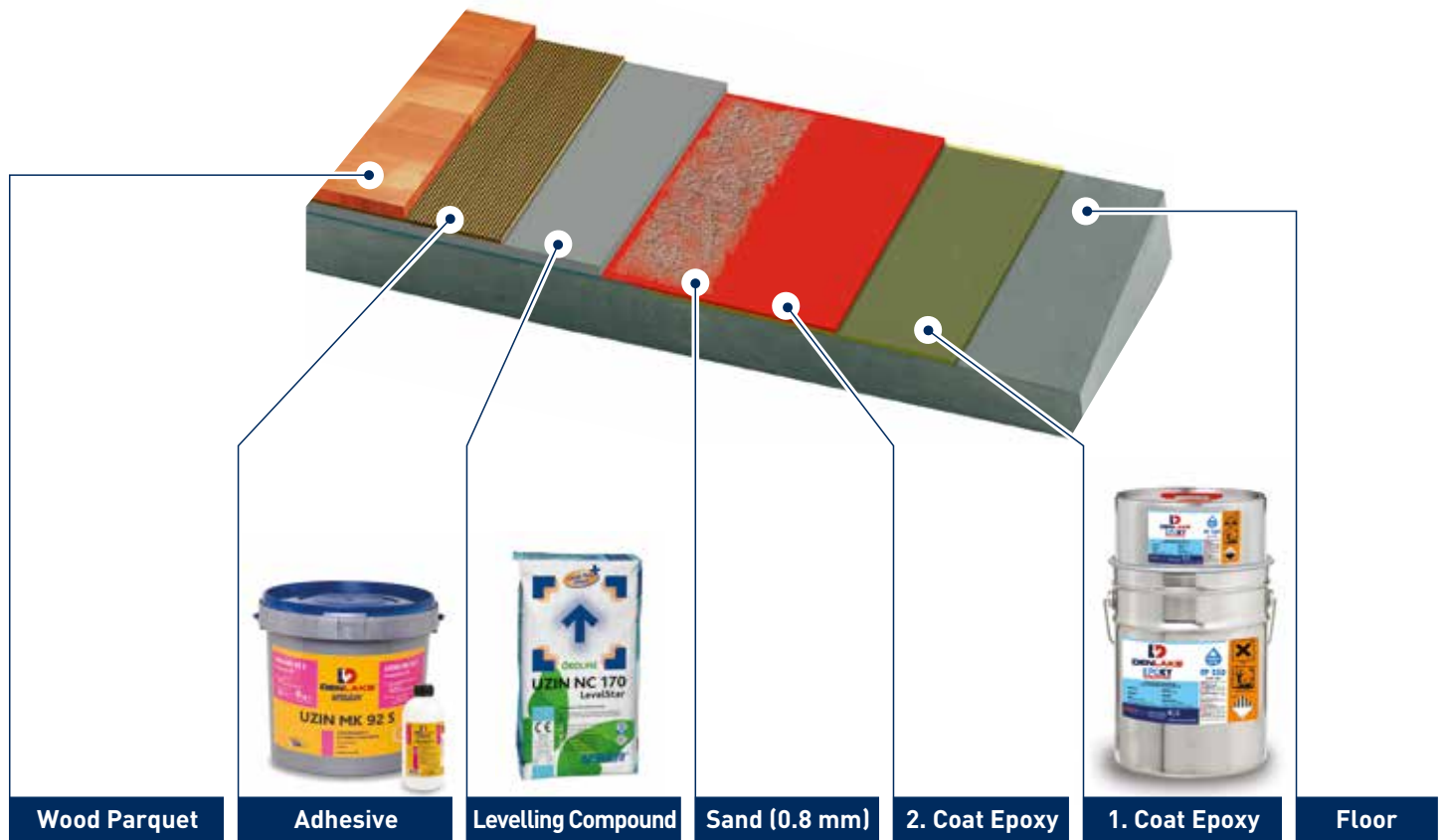
Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Uzin NC 150** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Mix **Denlaks Uzin MK 92 S** component A and component B as described on the container. Ensure thorough mixing, especially around the floor and walls of the container as badly mixed adhesive will not set. Apply an even coat of the adhesive onto the substrate using a suitable notched trowel **B11** Immediately lay in the wood flooring with a light sliding movement and knock well down. Ensure the best possible transfer to the underside of the wood flooring.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# SOLID PARQUET APPLICATION SYSTEM



➔ Prime absorbent and porous substrates with two component epoxy primer **Denlaks EP 250**. Then fully scatter-coat with 0,8 mm sand and let dry completely. On very uneven or very rough surfaces apply wood flooring levelling compound **UZIN NC 170** to a minimum thickness of 3 mm or apply Rapid Levelling Compound **UZIN NC 172 BiTurbo** to a minimum thickness of 2 mm for obtaining increased levelness according to manufacturer regulations. Apply polyurethane primer **Denlaks PE 220** on dry SLC and let fully cured.

Mix **Denlaks Uzin MK 92 S** component A and component B as described on the container. Ensure thorough mixing, especially around the floor and walls of the container as badly mixed adhesive will not set. Apply an even coat of the adhesive onto the substrate using a suitable notched trowel **B11** Immediately lay in the wood flooring with a light sliding movement and knock well down. Ensure the best possible transfer to the underside of the wood flooring.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# CONDUCTIVE SYSTEM



Conductive PVC

Adhesive

Levelling Compound

Primer

Floor



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly. Bond UZIN Copper Strip onto the surface, centrally and along the length of each sheet width from wall to wall, or as a grid under each row of tiles.

Apply the adhesive **Uzin KE 2000 SL** evenly onto the substrate using the special notched trowel blade supplied, **Pütz 23 / 80**, and leave an open time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Only apply as much adhesive as can be covered within the working time and with good transfer to the backing of the covering.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.



# PVC FLOOR COVERING APPLICATION / INSTALLATION



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Apply the PVC floor covering adhesive **Uzin KE 418** evenly onto the substrate using the special notched trowel blade **A2**. Leave an open time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Lay in the covering, rub down over the whole surface and, after approximately 20 minutes, rub down with pressure or roll. Ensure good transfer to the backing of the PVC floor covering.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# RUBBER FLOOR COVERING APPLICATION / INSTALLATION



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Up to 3,5mm thickness, apply the rubber floor covering adhesive **Uzin KE 2000 S** evenly onto the substrate using the special notched trowel blade **A2**. In case of extreme temperatures, heavy mechanical strain from pallet trucks, fork lift, etc. or for a rubber floor covering having a thickness more than 3,5mm, a two component polyurethane adhesive such as **Uzin KR 430** or a fibre-reinforced wet adhesive **Uzin KE 66** must be used. Leave an open time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Lay in the covering, rub down over the whole surface. Ensure good transfer to the backing of the rubber floor covering.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# LINOLEUM FLOOR COVERING APPLICATION / INSTALLATION



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

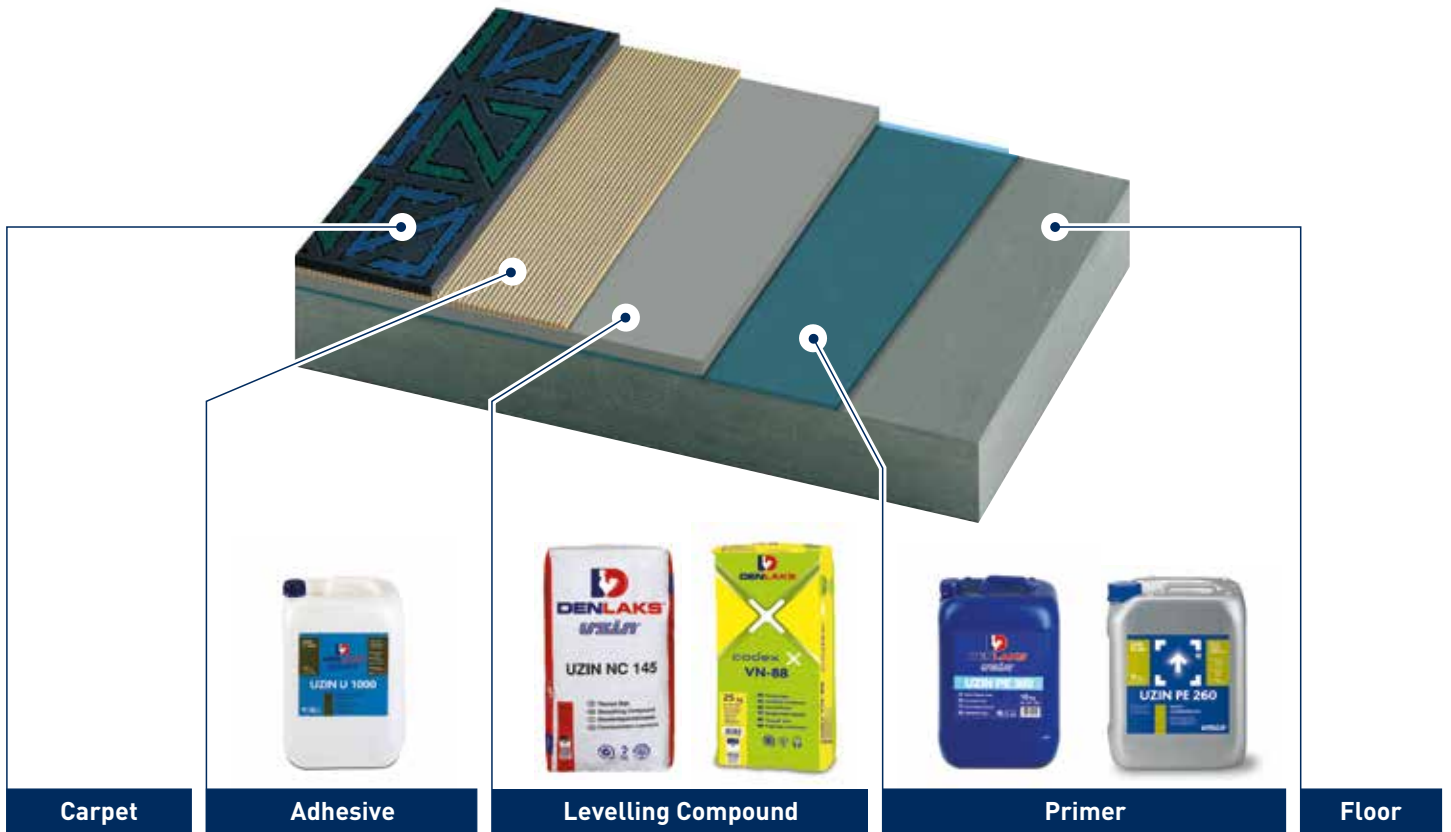
Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly.

Apply the linoleum floor covering adhesive **Uzin LE 42** evenly onto the substrate using the special notched trowel blade **B1**. Leave an open time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Lay in the linoleum floor covering in sheets or panels, rub down over the whole surface with pressure or pressure roller. Ensure good transfer to the backing of the linoleum floor covering. Do not trap any air under the floor covering.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.

# CARPET APPLICATION / INSTALLATION



➔ The substrate must be sound, level, dry, free from cracks, clean and free from materials that would impair adhesion.

Apply **Denlaks Uzin PE 360** on absorbent substrates, **Uzin PE 280** on smooth and glossy substrates.

**Denlaks Uzin NC 145** or **Denlaks Codex VN 88** is advised as self levelling compound to a minimum thickness of 2 mm. Always allow primers and smoothing compounds to dry thoroughly. For carpets with textile backings, apply the carpet adhesive **Uzin UZ 57** evenly onto the substrate using the special notched trowel blade **B1**.

For carpets with PVC backings, apply the **Denlaks Uzin KE 418** evenly onto the substrate using the special notched trowel blade **A2**.

For carpet tiles, apply **Denlaks Uzin U 1000** evenly onto the substrate using a roller. Leave an open time according to the application quantity, climatic conditions, substrate absorbency and type of covering. Lay in the carpets in tiles or rolls, rub down over the whole surface with pressure or pressure roller. Ensure good transfer to the backing of the carpet.

- Applications mentioned above are acceptable as a suggestion. Each project may vary. Please contact our sales representative for more information.



**PRIMERS**

## DENLAKS UZIN PE 360

## Universal Primer



Dispersion primer for absorbent substrates, screeds and concrete floors.

- short drying time, time-saving
- ready to use, avoids mixing errors
- increases bond-strength and reliability

### Applications:

- for mineral levelling compounds
- on new subfloors, e.g. calcium sulphate screeds
- on concrete (dry)
- on levelling compounds

### Properties:

- penetrates into the subfloor
- binds surface dust
- reduces surface absorbency
- interior and exterior use
- solvent-free

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1051	10 kg canister	60	100-150 gr/m <sup>2</sup>	Light Blue
1061	20 kg canister	36		



# PRIMERS

## Multipurpose Primer

Dispersion primer for existing substrates in renovation work. Highly concentrated and can be diluted with water; therefore, can be used on the widest variety of surfaces.

### Applications:

- for mineral levelling compounds and dispersion adhesives (not for wood flooring adhesives)
- on wooden surfaces as well as dense and low absorbency surfaces
- on existing substrates, e.g. old adhesives

### Properties:

- film-forming
- highly concentrated
- interior use only
- solvent-free
- EMICODE EC1 Plus, very low emission

## UZIN PE 260



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
6367	10 kg canister	60	40-150 gr/m <sup>2</sup>	White

## Super-Fast Primer

Bonding agent for refurbishments. Dispersion primer with carbon technology for smooth and dense surfaces.

- ready to use rapid drying; therefore, ideal for work under time pressure
- rough and solid surface, ideal connection between substrate and levelling compound

### Applications:

- mineral-based levelling compounds
- on dense and smooth surfaces or existing surfaces
- on existing surfaces in need of refurbishment, e.g. on waterproof residues of adhesives and levelling compounds
- on mastic asphalt that is old or not gritted
- on magnesia- or stone-wood-screeds

### Properties:

- film-forming
- bonding agent on dense surfaces
- rough surface due to the carbon technology
- interior use
- solvent-free
- EMICODE EC1 Plus, very low emission

## UZIN PE 280



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
47523	12 kg oblong bucket	50	70-150 gr/m <sup>2</sup>	Ochre

## DENLAKS P 220

## 1 Component PU Rapid Primer



Fast and reliable priming.  
One-component, solvent based reaction resin primer for wood flooring and floor covering work.

- no mixing, fast, high coverage and reliable

### Applications:

- for priming under reaction resin wood flooring adhesives
- on cement- or calcium sulphate-screeds, concrete, etc.
- on existing surfaces, e.g. well-bonded adhesive residues

### Properties:

- rapid drying
- thin consistency
- good penetration
- interior use only

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1391	10 kg canister	60	200-600 gr/m <sup>2</sup>	Yellowish

## DENLAKS EP 250

## 2 Component Epoxy Primer



Epoxy primer for weak surfaces.

- allows fast installation on cement-based surfaces, reducing waiting time and costs

### Applications:

- for mineral levelling compounds and mortars
- for surface hardening of "worn out" screeds
- on moisture-resistant substrates requiring renovation

### Properties:

- interior and exterior use
- excellent bond
- resistant to hydrolysis and saponification
- solvent-free

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1202	A/B 10 kg can	60	200-600 gr/m <sup>2</sup>	Yellowish



# PRIMERS

## 2 Component Epoxy Primer-Sealer

## UZIN PE 460

A reliable barrier against residual moisture.  
Epoxy primer for damp or weak surfaces.

- allows fast installation on cement-based surfaces, reducing waiting time and costs

### Applications:

- for mineral levelling compounds and mortars
- as a barrier against moisture up to 5 CM%
- for surface hardening of "worn out" screeds
- on moisture-resistant substrates requiring renovation

### Properties:

- approx. 20 % faster cure
- reduced odour during application
- system component in PAH decontamination
- interior and exterior use
- solvent-free
- EMICODE EC1 (R) Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
11395	A/B 10 kg can	30	250-500 gr/m <sup>2</sup>	Yellowish

## 2 Component Epoxy Moisture Barrier

## UZIN PE 480

For damp substrates.

Epoxy resin primer for damp-proofing on substrates with very high residual moisture.

- saves moisture-testing on very damp, cement-based substrates; does away with testing costs

### Applications:

- for mineral levelling compounds and mortars
- as a barrier against very high moisture content on all moisture-resistant substrates
- no limitation on maximum residual moisture value

### Properties:

- heaviest-duty performance
- good filling capacity due to high viscosity
- best attachment even on wet surfaces
- interior and exterior use
- solvent-free



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
17340	A/B 10 kg can	30	250-500 gr/m <sup>2</sup>	Yellowish

## UZIN PE 414 TURBO

## 1 Component PU Rapid Primer



Fast and reliable priming.  
One-component reaction resin primer for wood flooring and floor covering work.

- no mixing, fast, high coverage and reliable

### Applications:

- for priming under reaction resin wood flooring adhesives
- on cement- or calcium sulphate-screeds, concrete, etc.
- on existing surfaces, e.g. well-bonded adhesive residues
- as a barrier against moisture on moisture-resistant surfaces
- for smoothing compounds when grit-binding with UZIN Quartz Sand 0.8

### Properties:

- rapid drying
- thin consistency
- good penetration
- neutral odour
- interior use only
- solvent-free
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsizes	Shipping Unit / Pallet	Consumption	Colour
41364	12 kg canister	60	approx. 50 gr/m <sup>2</sup> / squeegee trowel 100 - 150 gr/m <sup>2</sup> / foam roller 150 - 200 gr/m <sup>2</sup> / nylon fibre roller	Brown

## UZIN PE 520

## Mortar Additive



Additive and wet primer for cement levelling compounds.

Special dispersion as additive for UZIN cement levelling compounds when using on mechanically or thermally deformable substrates.

### Applications:

- bituminous substrates, e. g. mastic asphalt, pitchmastic, rolled asphalt, fine concrete asphalt, etc. and is recommended for use on:
- existing surfaces with well-bonded adhesive and smoothing compound residue

### Properties:

- plasticizer for levelling compounds
- diluted with water as a wet primer
- increases flexibility
- increases bond strength
- reduces stress- and shrinkage- cracks
- neutral odour
- solvent-free

Article No.	Packsizes	Shipping Unit / Pallet	Consumption	Colour
6281	10 kg canister	60	additive: 1,5 kg /25 kg as Primer: 1/4 diluted 30-50 gr/m <sup>2</sup>	White



**LEVELLING COMPOUNDS**

## DENLAKS UZIN NC 145

## Levelling Compound



Self-levelling cement flooring compound for thickness up to 5 mm

Levelling compound for levelling work on standard construction substrates. For the subsequent installation of textile and resilient floor coverings. Pump-ready, for interior application.

- surface preparation prior to floor covering installation

### Applications:

- on new substrates, e.g. cement screeds
- on existing surfaces for refurbishment, e.g. over water-resistant residues of adhesives and levelling compounds

### Properties:

- very easy to rub down
- excellent flow properties, good strength performance
- interior use only
- low- chromate content
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1070	25 kg sack	48	1.5 kg/m <sup>2</sup> / 1 mm 4.5 kg/m <sup>2</sup> / 3 mm	Grey



# LEVELLING COMPOUNDS

## Levelling Compound

## UZIN NC 150 NEU

Self-levelling cement flooring compound for thickness up to 10 mm.

- economical and efficient for standard levelling work

### Applications:

- for standard preparation work prior to floor covering installation
- on new substrates, e.g. cement screeds
- on existing substrates in need of renovation

### Properties:

- very easy to rub down
- good strength properties
- interior use only
- low- chromate content
- EMICODE EC1 (R) Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
55839	25 kg sack	42	1.5 kg/m <sup>2</sup> / 1 mm 4.5 kg/m <sup>2</sup> / 3 mm 7.5 kg/m <sup>2</sup> / 5 mm	Grey

## Gypsum-Based Levelling Compound

## UZIN NC 110

Stress-free levelling with the newest levelling compound technology. Self-levelling, calcium-sulphate based smoothing and levelling compound for thicknesses up to 50 mm.

- extremely good flow characteristics, even better result of laid covering surfaces
- very smooth surface, time and costs savings as well as optimal result of laying
- stress-free even at greater thickness giving the greatest possible reliability
- for large areas, also available in "BigBag"

### Applications:

- for textile and resilient floor coverings
- on new substrates, e.g. calcium sulphate screeds
- on existing substrates in need of renovation, e.g. on waterproof residues of adhesive and levelling compounds
- on mastic asphalt, stone-wood screeds and dry screed materials

### Properties:

- virtually stress-free
- for thicknesses up to 50 mm
- easy adhesive application
- up to 10 % less adhesive consumption
- interior use only
- cement- and chromate-free
- EMICODE EC1 Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1272	25 kg sack	42	1.4 kg/m <sup>2</sup> / 1 mm 4.2 kg/m <sup>2</sup> / 3 mm 14.0 kg/m <sup>2</sup> / 10 mm	Light Grey / White

## UZIN NC 170

## Premium Levelling Compound



Substrate refurbishment with the newest levelling compound technology Self-levelling, extremely smooth cement-based levelling compound with Level Plus Effect for every layer thickness range.

- extremely good flow characteristics, even better result of laid covering surfaces
- best absorbency in spite of high strength, time advantage at bonding of high-quality floor coverings
- very smooth surface, time and costs savings as well as optimal result of laying

### Applications:

- for high quality smoothing and levelling work prior to all types of floor covering work, wood flooring, ceramic and natural stone coverings
- on new substrates, e.g. cement screeds
- on existing substrates in need of renovation, e.g. on waterproof adhesive and levelling compound residues

### Properties:

- no thickness limitations
- highly plasticised
- very easy adhesive application
- up to 10 % less adhesive consumption
- shear-resistant under wood flooring
- interior use only
- low-chromate content
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1072	25 kg sack	42	1.4 kg/m <sup>2</sup> / 1 mm 4.2 kg/m <sup>2</sup> / 3 mm 14.0 kg/m <sup>2</sup> / 10 mm	Grey



# LEVELLING COMPOUNDS

## Extremely Rapid Drying For Fast Installation

## UZIN NC 172 BiTurbo

Extremely rapid drying, self-levelling cement compound with the Level Plus Effect for virtually all areas of use, all substrate types and at any thickness.

- extremely rapid drying and no primer required in most cases, fast and cost-saving
- very smooth surface finish, therefore lower adhesive consumption and no grinding needed in most cases

### Applications:

- for fast installation of e.g. all types of textile coverings, PVC/cushioned vinyl, PVC design flooring, linoleum, rubber sheet and tile coverings as well as ceramic tiling and natural stone
- for installation of wood flooring, polyolefin and polyurethane floor coverings after a drying time of 12 hours

### Properties:

- hydraulic setting
- no primer required in most cases
- easy to rub down during initial cure-phase
- very smooth surface finish
- easy adhesive application and up to 10 % lower adhesive consumption
- for interior use only
- low-chromate content
- EMICODE EC1 (R) Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
55837	25 kg sack	42	1.3 kg/m <sup>2</sup> / 1 mm 3.9 kg/m <sup>2</sup> / 3 mm 13.0 kg/m <sup>2</sup> / 10 mm	Grey

## Repair Mortar

## UZIN NC 182

Low-slump, fine and very fast setting cement repair mortar for any thickness.

- universal use as a repair mortar
- rapid setting, time saving
- no marks under visually sensitive coverings from coarse aggregate

### Applications:

- for filling holes and surface damage
- for levels adjustment and patch smoothing work
- for fine skimming or area scratch-coating
- on all surfaces as a repair-, filling- and smoothing-compound

### Properties:

- ready for covering after 60 min.
- hydraulically setting
- from feather-edge to high thicknesses
- ideal working properties
- fine grain, eliminates smoothing edges
- for interior use only
- low-chromate content
- EMICODE EC1 (R) Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
61685	25 kg sack	42	1.5 kg/m <sup>2</sup> 4.5 kg/m <sup>2</sup> 15.0 kg/m <sup>2</sup>	Grey

## DENLAKS CODEX VN 88

## Levelling Compound



Self-levelling cement flooring compound for thickness up to 15 mm.

Levelling compound for levelling work on standard construction substrates especially for thick application. For the subsequent installation of textile and resilient floor coverings. Pump-ready, for interior application.

- surface preparation prior to floor covering installation

### Applications:

- on new substrates, e.g. cement screeds
- on existing surfaces for refurbishment, e.g. over water-resistant residues of adhesives and levelling compounds

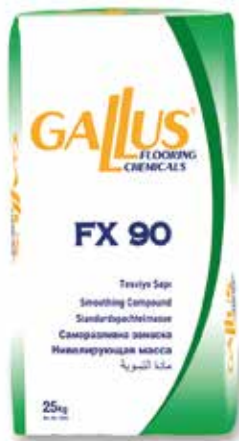
### Properties:

- very easy to rub down
- excellent flow properties good strength performance
- interior use only
- low- chromate content
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1060	25 kg sack	48	1.5 kg/m <sup>2</sup> / 1 mm 4.5 kg/m <sup>2</sup> / 3 mm 15.0 kg/m <sup>2</sup> / 10 mm	Grey

## GALLUS FX 90

## Levelling Compound



Self-levelling cement flooring compound for thickness up to 4 mm.

Levelling compound for levelling work on standard construction substrates. For the subsequent installation of textile and resilient floor coverings. Pump-ready, for interior application.

- surface preparation prior to floor covering installation

### Applications:

- on new substrates, e.g. cement screeds
- on existing surfaces for refurbishment, e.g. over water-resistant residues of adhesives and levelling compounds

### Properties:

- very easy to rub down
- excellent flow properties good strength performance
- interior use only
- low- chromate content

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1212	25 kg sack	48	1.5 kg/m <sup>2</sup> / 1 mm 4.5 kg/m <sup>2</sup> / 3 mm	Grey





# ADHESIVES

## DENLAKS UZIN KE 418

## Universal PVC Adhesive



Solvent-free dispersion adhesive for PVC, CV and textile floor coverings.

### Application:

- for homogeneous and heterogeneous PVC floor coverings
- for carpets with PVC-, foam- and latex-backings
- lightweight needlepunch floorings
- resilient and textile insulating underlays
- prepared, level and absorbent subfloors

### Properties:

- easy to spread
- high coverage
- excellent grab
- long working time
- high final strength
- good resistance to plasticisers
- domestic and commercial locations
- solvent-free

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1001	20 kg plastic drum	36	300-350 gr/m <sup>2</sup> / A2	Grey



## Universal Pressure-Sensitive and Wet Adhesive

Adhesive for resilient floor coverings as well as universal adhesive for all common floor covering types. Dispersion-based strong adhesive with latest raw material technology with shortest open time and nonetheless long installation time for application.

### Applications:

- textile floor coverings, light-weight needlepunch floor covering or woven carpet
- PVC floor coverings, also Luxury Vinyl Tiles
- for linoleum runs up to 3.2 mm thick
- on absorbent and non-absorbent substrates
- on UZIN insulation and installation underlays
- high strain in residential, commercial and industrial areas

### Properties:

- odourless during and after processing
- very easy to apply
- short open time
- long working time
- good tack with stringing
- for interior applications
- solvent-free
- EMICODE EC1 Plus, very low emission

## UZIN KE 2000 S



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1497	14 kg plastic drum	33	250-320 gr/m <sup>2</sup> / A2	Cream White



## UZIN LE 42

## Linoleum Adhesive



Thread-drawing wet dispersion adhesive with fast and strong setting characteristics, for linoleum in sheets and panels, cork linoleum and corkment.

### Applications:

- for linoleum floor coverings in sheets and panels up to 4 mm
- for corkment underlays and for the fitting of linoleum to glued corkment underlays
- for high stresses in residential, commercial and industrial areas, e.g. in hospitals, busy shopping centres etc.
- for stresses from castors to DIN EN 12 529

### Properties:

- good spreading characteristics
- low drying time
- reliability due to thread-drawing
- strong and fast setting characteristics
- interior use only
- solvent-free

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
56471	17 kg plastic drum	33	400-480 gr/m <sup>2</sup> / A2	Cream

## UZIN KE 2000 SL

## Conductive Adhesive for PVC and Rubber Floor Covering



Bonding conductive PVC and rubber floor coverings with high dimensional stability  
Conductive fibre adhesive for PVC and rubber flooring.

Hard adhesive ridge, high shear strength - optimal dimensionally stable adhesion even with thick rubber floor coverings.

### Applications:

- folding 28 cm/21 cm notch blade profile enclosed, optionally for large or small areas
- for conductive PVC floor coverings as sheets and tiles
- for conductive rubber floor coverings as sheets and tiles
- conductive textile floor coverings (use tooth profile 23/80)
- on absorbent, prepared surfaces
- in commercial and project locations

### Properties:

- very low consumption
- easy application
- high shear resistance
- interior use only
- solvent-free
- EMICODE EC1 Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1488	14 kg plastic drum	33	250-300 gr/m <sup>2</sup> / B23/80	Light Grey

## Non-Slip Installation of Loose-Laid Tiles

## DENLAKS UZIN U 1000

Slip-resistant and tackifying dispersion for loose-laid carpet tiles. Prevents „wandering“ of tiles but allows easy removal at any time.

### Applications:

- for loose-laid carpet tiles with bitumen-, PVC- or PU- backings
- on absorbent and non-absorbent surfaces
- on access and raised flooring, existing floor finishes
- in domestic and commercial locations

### Properties:

- easy roller application
- very economical consumption
- antistatic
- interior use only
- solvent-free
- EMICODE EC1 Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1050	10 kg canister	60	50-100 gr/m <sup>2</sup> / roller application	White



## UZIN KR 421

## 2 Component Epoxy Adhesive



Flexible epoxy resin adhesive for heavy duty floor coverings in interior, exterior and wet locations.

- problem-solver in many applications

### Applications:

- for problematic resilient coverings, outdoor coverings
- on absorbent and non-absorbent surfaces
- in sports-halls, industrial and heavy wear locations

### Properties:

- interior and exterior use
- solvent-free
- EMICODE EC1 Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
13154	A/B 5 kg can	60	350-400 gr/m <sup>2</sup> / A1 400-500 gr/m <sup>2</sup> / A2	White

## UZIN KR 430

## 2 Component Polyurethane Adhesive



Flexible polyurethane adhesive for heavy-duty floor coverings. Bonds rubber flooring "hard as nails".

- very high dimensional stability even with special covering materials
- highest bond-strength, therefore extremely reliable
- for (almost) any loading, therefore universal applications

### Applications:

- for rubber flooring up to 10 mm thickness
- for rubber granulate or underlays
- can also be used for linoleum
- on absorbent and non-absorbent surfaces
- in sports-halls, industrial and heavy wear locations

### Properties:

- no shrinkage
- extremely high final strength
- high resistance to heat and cold
- interior and conditional exterior use
- solvent-free
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
10493	A/B 12 kg can	30	300-350 gr/m <sup>2</sup> / A2 400-600 gr/m <sup>2</sup> / B1 800-1200 gr/m <sup>2</sup> / B2	Anthracite

# ADHESIVES

## Solvent-Free Contact Adhesive

## UZIN WK 222

Water based neoprene adhesive for all types of constructional contact bonding  
Bonding stairs, walls and profiles.  
Permits economic contact bonding even with unwieldy floor coverings, solvent-free and without restrictions by work safety measures.  
Takes the demands on a healthy indoor climate into account.

### Applications:

- soft skirting boards, stair profiles, hollow skirting and others
- all textile floor coverings, including needle felt and woven carpet, on stair in block format or with protruding edge
- PVC/cushioned vinyl floor coverings, linoleum, India rubber flooring and insulating underlays for stairs and riser
- textile impact absorbing wall coverings or composite floor coverings on walls and ceilings
- repair bonding work, seam restorations, revision covers and others
- on all substrates customary in construction

### Properties:

- superb rolling and brushing properties
- small application amounts
- can be applied also one day in advance
- long contact bonding time
- interior use
- solvent free
- EMICODE EC1, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
61989	12 kg oblong bucket	50	300-450 gr/m <sup>2</sup> double-sided roller application (dimensions 25 cm / 20 cm)	Beige

## Powerful Dispersion Adhesion for All Types of Textile Coverings

## UZIN UZ 57

Universal adhesive for all resilient and textile floor coverings.  
Strong thread-formation, giving reliable adhesion.

### Applications:

- for textile coverings with secondary backings
- for textile coverings with foam-, latex- or fleece- backings
- for woven goods, needlepunch and natural fibre carpets
- on absorbent, prepared surfaces
- on UZIN Multibase as well as UZIN insulating and installation underlays

### Properties:

- easy to spread
- quick initial grab
- excellent thread-formation
- high early and final strength
- interior use only
- solvent-free
- EMICODE EC1 Plus, very low emission



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
17339	14 kg drum	33	300-350 gr/m <sup>2</sup> / A2 350-450 gr/m <sup>2</sup> / B1 500-550 gr/m <sup>2</sup> / B2	Beige-White

## DENLAKS T 224

### Powerful, Solvent Based Contact Adhesive for General Purpose



Especially suitable for bonding skirtings made of PVC, profiles, coverings, wood to wall and protection strips.  
Also for sheet and textile coverings e.g vinyl, linoleum, carpet, rubber.

**Applications:**

- for skirtings, profiles and coverings
- for PVC, cushioned vinyl, linoleum, textiles and cork on all solvent-resistant surfaces and stairs

**Properties:**

- long contact bond time
- interior use only

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1224	14 kg/can	60	variable	Yellow

## DENLAKS C 200

### Powerful, Solvent Based, Polychloroprene Carpet Adhesive



Especially suitable for bonding carpets with textile and latex backings, needlepunch and woven carpets.

**Applications:**

- for textile floor coverings with textile secondary backings, latex foam or felt backings, needlepunch and woven carpet.

**Properties:**

- interior use in domestic, commercial and work area.

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1200	3 lt can	36 boxes / 6 pieces	-	Yellow



# ADHESIVES

## 2 Component PU Wood Flooring Adhesive

Solvent and water free, universal 2-component polyurethane adhesive for wood flooring.

### Main Field of Application:

- mosaic parquet (8 mm solid wood flooring)
- on edge wood flooring
- wood block (stab parquet)
- solid board
- 10 mm solid wood flooring
- end grain RE / WE

### Extended Field of Application:

- multi-layer and pre-finished wood flooring
- multi-layer boards
- laminates

### Properties:

- excellent filling capacity
- very good ridge formation
- no shrinkage even when thickly applied
- very rapid setting
- flexible / elastic
- interior use only
- solvent-free
- EMICODE EC1 Plus, very low emission

## DENLAKS UZIN MK 92 S



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1092	10 kg bucket	64	1000-1200 gr/m <sup>2</sup> / B11	Beige



## UZIN MK 95

## 1 Component PU Wood Flooring Adhesive



Hard-elastic reliable adhesion of wood flooring.

Solvent -and water- free hard-elastic adhesive for wood flooring.

- wood flooring can be sanded after 24 hours-rapid setting and grab saves time due to fast completion

### Applications:

- for stab parquet, mosaic and multi-ply parquet
- for 'on-edge' parquet and solid boards
- on substrates with adequate strength
- on UZIN insulating underlays suitable for wood flooring

### Properties:

- adhesive residues can be removed from the wood surface
- does not cause swelling of the wood
- rapid grab yet adequate working time
- hard-elastic adhesive ridges
- interior use only
- solvent-free

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
39552	16 kg drum	33	1000 gr/m <sup>2</sup> / B11	Beige

## UZIN MK 200

## 1 Component STP Wood Flooring Adhesive



Solvent free and water free, high-elastic strength adhesive for wood flooring. Bonding hard wood floors universal and technically perfect.

Hard-elastic and with the best-possible ridge hardness wood deformation and tears are kept to an absolute minimum, leads to surfaces with an optically sophisticated, homogenous appearance.

### Applications:

- multi-layer and pre-finished wood flooring extended field of application
- wood block (stab parquet)
- multi-layer boards 15 - 22 mm

### Properties:

- hard elastic adhesive ridge
- rapid grab
- excellent spread properties
- sanding after approx. 24 hours
- residues on flooring can be removed easily
- water-free
- very low emission
- solvent-free
- EMICODE EC1 (R) Plus, very low emission

Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
60806	16 kg drum	33	1000-1200 gr/m <sup>2</sup> / B11	Beige

# ADHESIVES

## Dispersion D3 Adhesive for Bonding Tongue-and-Groove Joints

## UZIN MK 33

Fast drying, transparent.

**Applications:**

- for multi-ply wood flooring and laminate flooring
- for chipboard

**Properties:**

- universal applications
- high final strength, good water resistance
- interior use only
- solvent-free



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
6989	810 gr bottle	36 boxes / 12 pieces	-	White

## Pre-Finished Parquet Glue

## LAMINE PARKE TUTKALI

Dispersion adhesive for bonding tongue-and-groove joints.  
Fast drying, transparent.

**Applications:**

- for multi-ply wood flooring and laminate flooring
- for chipboard

**Properties:**

- universal applications
- high final strength, good water resistance
- interior use only
- solvent-free



Article No.	Packsize	Shipping Unit / Pallet	Consumption	Colour
1662	500 gr bottle	36 boxes / 30 pieces	-	White



## MACHINERY & SPECIAL TOOLS FOR SUBSTRATE PREPARATION



- Removing Flooring
- Preparing & Measuring Subfloors
- Applying Floors
- Parquet Sanding Machines
- Cleaning Machines



## PRODUCTS & SYSTEMS FOR THE SURFACE TREATMENT OF WOOD FLOORING



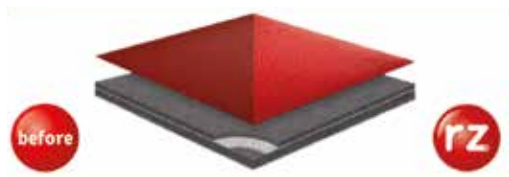
- Water Based Systems
- Oil-Wax Systems
- Care Products

# OTHER PRODUCTS



## MAINTENANCE & CLEANING SYSTEMS FOR FLOOR COVERINGS

- Textile Flooring & Upholstery
- Resilient Flooring
- Parquet, Wood & Cork



## RESIDUE-FREE DRY ADHESIVES



• Sigan 1



• Sigan 2



• Sigan 3



**7:00**

Glue the Sigan to the existing floor surface or to the filler.



**10:00**

Lay the floor covering - odourless, without residual toxins.



**13:00**

The floor covering can be walked on and used immediately.



PRIMER



LEVELLING COMPOUND



















ADHESIVE



# APPLICATION & INFORMATION

1. Before use, allow containers to come to room temperature and shake well - then decant the contents into a clean, oval applicator bucket.
  2. Apply a full, even coat of the primer onto the subfloor using the fine-pored Foam Roller. On very absorbent surfaces, do not pour onto the surface so as to avoid localised saturation; if necessary, a second coat may be required.
  3. Clean tools with water immediately after use
- Store in relatively cool conditions. Protect from frost. Carefully and tightly reseal opened containers and use the contents as quickly as possible. Use any material that has been mixed with water within a few days.
  - Optimum working conditions are 15 - 25 °C/59 - 77 °F, floor temperature above 15 °C/59 °F and relative humidity below 65 %. Low temperatures and high humidity lengthen, and high temperatures and low humidity shorten the drying time.
  - As a general rule, UZIN PE 360 should be used undiluted. Should dilution with water up to max. 1:1 be considered appropriate in individual cases for use on cement-based substrates, then this may change the above-described properties, e.g. drying times, adhesion or barrier effect against mixing water.
  - For applications in several layers, continue onto the still damp first layer as soon as it is set to accept traffic. Alternatively, allow the first layer to dry for 24 hours, prime with UZIN PE 360 and leave for 3 - 4 hours before applying the next layer.
1. Put approx. 6.0 litres of cold clean water into a clean container. Sprinkle in the sack contents (25 kg) whilst stirring briskly and mix to a thick-fluid, lump-free consistency. Use a drill or mixer fitted with a UZIN Mixing Paddle. Do not mix too thinly.
  2. Pour the mix onto the subfloor and distribute evenly with a smoothing trowel or rake. Where possible, apply to the desired thickness in one application. Flow and surface finish can be improved by using the UZIN Spike Roller on the wet compound.
  3. Drying time at 20 °C/68 °F is approx. 24 - 48 hours. Abrading using 40 - 60 grit sanding paper improves both the surface quality and the absorbency.
- Store in dry-cool conditions. Tightly seal opened packaging and use the contents as quickly as possible.
  - Best applied at 18 - 25 °C/64 - 77 °F, floor temperature above 15 °C/59°F and relative humidity below 75 %. Low temperatures and high humidity delays setting, drying and readiness for covering. High temperatures shorten the working time, therefore use the coldest possible mixing water during the summer.
  - Apply min. 1 mm thickness for castor-resistance and min. 2 mm thickness on dense surfaces.
  - For applications in several layers, continue onto the still damp first layer as soon as it is set to accept traffic. Alternatively, allow the first layer to dry for 24 hours, prime with UZIN PE 360 and leave for 3 - 4 hours before applying the next layer.
  - Protect freshly smoothed surfaces from draughts, direct sunlight and influences of heat
1. Apply the adhesive evenly onto the substrate using a suitable notched trowel and allow open time as appropriate for the quantity applied, climatic conditions, substrate absorbency and type of covering.
  2. Lay in the covering, rub down over the whole surface and, after approx. 20 minutes, rub down with pressure or roll. Ensure good transfer to the backing of the covering.
  3. Clean off adhesive contamination whilst still wet using water.
- Tightly reseal opened containers and use the contents as quickly as possible. Before use, allow the adhesive to come to room temperature.
  - Optimum working conditions 18 - 25 °C/64 - 77 °F, floor temperature above 15 °C/59 °F, Relative Humidity below 75 %. Low temperatures and high humidity lengthen, and high temperatures and low humidity shorten the working-setting- and drying-times.
  - Dry subfloors with good absorbency improve the initial grab and drying performance.
  - Leave until the adhesive is fully set (min. 24 hours but ideally 48-72hours) Before hot-welding seams.

# ACCESSORIES













	Article No	Description	Packaging Unit		Article No	Description	Packaging Unit
	13486	CCM Instrument Wolff	1 Set		13485	Seam Trimmer	1 unit with 1 round blade 6 mm
	56355 (230 V) 56361 (115 V)	Stirring Machine Beat Boy	Beat boy with stirrer type KR 120 S/M14		49875	Mozart Push-off Knife	1 unit with blade & distance fork 0.5 mm
	17057	Stirrer, KR Type	1 unit		60505	Cork Rubbing Board	1 unit
	52298	Levelling Compounds Rake	1 unit		48221	Wolff Knife	1 unit
	14272 25 cm/21 mm 14021 50 cm/21 mm 13637 25 cm/31 mm 13636 50 cm/31 mm	Spike Rollers	1 unit		48421 210x8 cm	Flexible Steel Straight Edge	1 unit
	51549	Nail Shoes	1 Pair with set of spare nails, 2 spare straps		56401 30 kg 56402 50 kg 56403 68 kg	Pressure Rollers For Flooring	1 unit
	13378 21 cm 13381 28 cm	Master Spatula	1 unit		13305 (230 V) 15711 (115 V)	Fräsmaster Joint Grooving Machine	1 unit
	13594 rulo 50 m 13595 rulo 200 m	Copper Band	1 unit		13463 (200 V) 15678 (115 V)	Leister Triac Set (Welding)	1 set



Please ask for detailed Wolff catalogue.

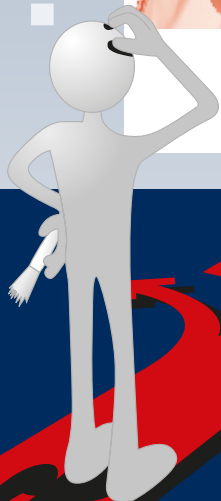
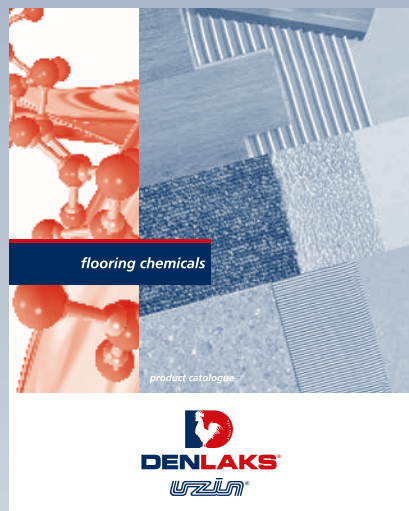


# TROWELS

	Article No	Description	Packaging Unit
	13367	A1, 21 cm	10
	13382	A1, 28 cm	10
	13373	A2, 21 cm	10
	13388	A2, 28 cm	10
	13374	A3, 21 cm	10
	13389	A3, 28 cm	10
	13375	A4, 21 cm	10
	13390	A4, 28 cm	10
	13375	A5, 21 cm	10
	13391	A5, 28 cm	10
	13370	B1, 21 cm	10
	13385	B1, 28 cm	10
	13371	B2, 21 cm	10
	13386	B2, 28 cm	10
	13372	B3, 21 cm	10
	13387	B3, 28 cm	10
	33754	B9, 28 cm	10
	13380	B11, 21 cm	10
	13399	B11, 28 cm	10
	13397	R1, 56 cm	10
	13396	R2, 56 cm	10

## REFERENCES

- Anadolu Health Center İstanbul
- Acıbadem Hospital İstanbul - Maslak
- Acıbadem Hospital İstanbul - Kozyatağı
- Acıbadem Hospital Bursa
- Acıbadem University İstanbul - Ataşehir
- Acıbadem Hospital İstanbul - Halkalı
- Amerikan Hospital İstanbul
- Florance Nightingale Hospital İstanbul
- International Hospital İstanbul
- Medicana Hospital İstanbul
- Memorial Hospital İstanbul - Ataşehir
- Memorial Hospital Diyarbakır
- Memorial Hospital İstanbul - Şişli
- Medical Park Hospital İstanbul - Bahçelievler
- Medical Park Hospital İzmir
- Conrad Hotel İstanbul - Beşiktaş
- CVK Hotel İstanbul - Taksim
- Rixos Hotel Bodrum
- Savoy Project İstanbul
- Titanic Hotels Chain İstanbul
- Doğuş Power Center İstanbul
- Safir İstanbul
- Loft / Levent İstanbul
- Günyüzü Mansions (Sundry) İstanbul
- Acarkent (Sundry) İstanbul
- Beykoz Villaları (Sundry) İstanbul
- Pelikan Hill İstanbul
- Sabiha Gökçen Airport İstanbul
- Atatürk Airport İstanbul
- Mesa Mansions İstanbul
- Swiss Hotel King Suit İstanbul
- Gökkafe Hotel King Suit İstanbul
- Taksim Mansions İstanbul
- Regnum İstanbul
- Toki Schools İstanbul - Kayseri
- Gaziantep University Kahramanmaraş
- ICU Gaziantep
- Bafra Dental Hospital Samsun
- Adana Health Center Adana
- Konya Physical Therapy Center Konya
- Levent Polyclinic İstanbul
- Aksaray Kızılay Hospital İstanbul
- Küçükyalı Dialysis Center İstanbul
- Forest District Offices Kahramanmaraş
- Hürriyet Kindergarten Gaziantep
- Gülınar Anatolian High Schools Kahramanmaraş
- Mersin University Mersin
- Türk Telecom Kahramanmaraş
- İSKİ Plant İstanbul
- Old Car Museum İstanbul
- Adana Fine Arts School Adana
- Seydi Şehir School Konya
- Tufanbeyli School Adana
- Adana Numune Hospital Adana
- Aksaray School Aksaray
- Kadıköy Belediyesi AKOM Ataşehir İstanbul
- Sakarya University Sakarya
- Şırnak Health Department Şırnak
- Yakutiye Research Hospital Erzurum
- Bakü Olympic Center Azerbaycan
- İELEV İstanbul School İstanbul
- Adana ASKİ General Manager Adana
- Ankara School Ankara
- Van School Van
- Gerece Youth Hostel Bolu
- Dumlupınar University Kütahya
- Youth Hostel
- İTÜ Maçka Campus İstanbul
- BSK Lara Hospital Antalya
- Isparta Medical University Isparta
- Isparta Dentistry University Isparta
- Niğde ODTÜ College Niğde
- Harran University Gym Urfa
- Viranşehir Hospital Urfa
- Muğla Hospital Muğla
- Besni Hospital Adıyaman
- Siverek Hospital Urfa
- Kovancılar Hospital Konya
- Bitlis Hospital Bitlis
- Kadirli Hospital Adana
- Cihanbeyli Hospital Konya
- Pazarcık Hospital Şanlıurfa
- Akçakale Hospital Şanlıurfa
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- Legend Hotel Antalya
- Tofaş Production Building Bursa
- Orange Country Hotel Bursa
- Storks Jewelry Bursa
- Tamara Hotel İstanbul
- T.C Ministry of Finance Ankara
- T.C Treasury Undersecretary Ankara
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