



TEKNO[®]
construction chemicals

Sports Flooring Systems

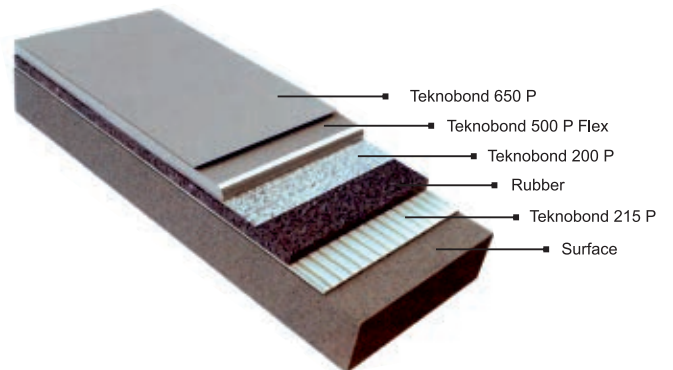
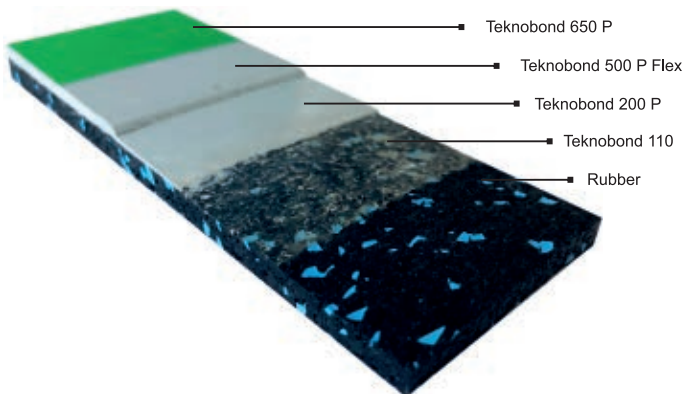


Our TEKNO Polyurethane based sports floor covering system is composed of the application of 4 different polyurethane components on top of the roll pad infrastructure that is produced out of the rand polyurethane and the recycle granulometric rubber mix that is 4-10 mm thick.

TEKNO indoors sports hall covering system is applied by pouring on the floor. Because the system is liquid, it makes a seamless and smooth floor. It is easy to maintain and it has a wide range of colors. In addition to its standard colors, it can be produced in different colors upon request.

It's advantages;

- Designed in accordance with a high performance use.
- Environment-friendly
- Seamless application. It is an ideal solution for multipurpose sports hall.
- Perfect impact absorbing feature.
- High tear resistance.
- Easy to apply.
- It is used in indoors basketball, volleyball, handball, mini football, aerobics, dance, gymnastics floors.



Teknobond 650 P

Polyurethane Acrylic Based, UV Resistant Paint



Product Description Protective finishing paint with polyurethane based, two component, high UV resistance.

Areas of Usage

- As a protective material, on all kinds of metal surfaces
- As a finishing paint on epoxy floor covering
- Especially in outdoor areas where UV resistance is required.

Features and Benefits

- Provides excellent adhesion to all surfaces such as epoxy and polyurethane surfaces, concrete, asphalt, hair, steel.
- Easy applicable. (Applicable by spraying, brush or roller) high UV resistance and thermal resistance
- Abrasion, impact and chemical resistance
- Can be applied safely on horizontal and vertical surfaces.

Application Instructions

Surface Quality: The surface should be dry and free from all kinds of dust, dirt, weak and loose tool, cement slurry residue and grease oil. The lower surface of concrete should be clean, strong and with sufficient compress on resistance (minimum 25N/mm²), and pull-of strength at least 1.5 N/mm².
Surface Preparation: The surface should be cleaned by using appropriate methods in order to provide maximum adhesion strength.
Compound: After the component B is added to the component A mix for 2-3 minutes with a low speed electrical mixer (maximum 400 revolution per minute) until a homogenous color is obtained.

Application Notes / Restrictions

- Make sure that TEKNOBOND 650P covers a continuous, non-porous surface..If necessary, apply TEKNOBOND 300 priming coat application twice. TEKNOBOND 650 P can be applied by spraying or roller.
- In order to complete the hardening of the material, do not use it allowed minimum temperature. Low temperatures will slow the hardening, while high temperatures will accelerate the hardening. The pot life will also vary depending on the temperature.
- The product may irritate the skin. Protective glasses or gloves should be used. Protective hand cream should be used before starting work. If the soil mixture contacts with eyes, eyes should be washed immediately with warm water, and consult doctor.
- Crystallization can be shown in the product if it is kept below 0°C for a long time. If the crystals are broken by bringing the product back to room temperature, the product can be used without any problem
- The hands should be washed with warm water and soap. Skin contract may be irritating. Eye contact should be avoided. Otherwise, consult a doctor.
- Immediately after the application, equipment should be cleaned with Tekno Thinner. The hardened equipment can only be cleaned mechanically.

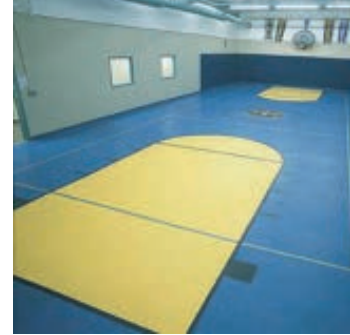
Technical Data

General Information	
Chemical Structure	Polyurethane Acrylic with Solvent
Color	Requested RL colors
Density	1,38±0,02 (g/ml) (EN ISO2811-1)
Shelf Life	12 months in unopened original package
Package	Set of 20 kg
Application Information	
Dry Time	Opening to pedestrian traffic in 3 days, full curing in 7 days
Consumption	0,150-250 kg/m ²
Pot Life	~45 minutes (20°C)
Surface Temperature	+5°C/+30°C
Thinner	TEKNOBOND 650 P Polyurethane Paint Thinner

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at + 20°C temperature and 50% relative air humidity rate.

Teknobond 500 P

Self Levelling Polyurethane Coating



CE TS EN 1504-2

Product Description

Hygienic, two component polyurethane based floor covering material with solvent-free, self-levelling, high elastic and mechanical strength.

Areas of Usage

- Factories, cold storage depot, warehouses, refrigerated vehicle bodies.
- On EPDM plate in shopping centers, workshops, air plane sheds, schools, indoor sports facilities, and hospitals, pharmaceutical industry, food sector, laboratories,
- Can be applied in parking areas and the areas with heavy forklift traffic

Features and Benefits

- Abrasion and friction resistant,
- Elastic structure
- Creates a joint less surface
- Easy to clean, hygienic, does not require long maintenance,
- Easy applicable,
- Solvent-free.

Application Instructions

Surface Quality: Weak areas of the surfaces should be cleaned sandpaper, milling cutter and sand blasting. If the surface is too bright, it should be roughened by milling cutter or sandblasting and the specific surface should be cleaned. If there is oil on the surface, it should be burned.

Surface Preparation: Cleaned surfaces should be applied an undercoat with TEKNOBOND 300. Teknobond 500 P application is made at the latest 24 hours after the priming coat application. Teknobond 500 P should be applied with trowel to obtain a smooth surface. After then, gas bubbles are removed with a spiked roller.

Compound: After the component B is added to the component A, mix for 2-3 minutes with a low-speed, electrical mixer (maximum 400 revolution per minute) until a homogenous color is obtained.

Application Notes / Restrictions

- Make sure that TEKNOBOND 500 P covers a continuous, non-porous surface. If necessary, apply TEKNOBOND 300 priming coat application twice. TEKNOBOND 500 P is applied with notched trowel.
- In order to complete the hardening of the material, do not use it allowed minimum temperature. Low temperatures will slow down the hardening, while high temperatures will accelerate the hardening. The pot life will also vary depending on the temperature.
- The product may irritate the skin. Protective glasses or gloves should be used. Protective hand cream should be used before starting work. If the soil mixture contacts with eyes, eyes should be washed immediately with warm water, and consult doctor.
- Crystallization can be shown in the product if it is kept below 0°C for a long time. If the crystals are broken by bringing the product back to room temperature, the product can be used without any problem. Discoloration and yellowing can be happened in the product which hardened depending on direct sunlight. After application, the product should be protected against direct sunlight, strong wind, high air temperature (above +35°C),
- bad weather conditions such as rain and freeze. In order to complete the hardening and reaction shortly after the application, the areas that contacts with skin should be cleaned with water and detergent.
- Immediately after the application, equipment should be cleaned with TeknoThinner .

Technical Data

General Information	
Chemical Structure	2K Polyurethane based
Density	1,3-1,4 kg/lt (TS-EN ISO 2811-1)
Package	Set of 20 kilograms
Consumption	1.4 kg for 1mm thickness
Shelf Life	12 months in unopened original package
Pot Life	~30 minutes
Application Information	
Shore A Hardness (7 days / 25°C)	70-75 (ASTM D 2240) (DIN 53505)
Application Thinner	Cannot be make thin
Mixture Proportion	4 Unit Component A; 1 Unit Component B (by weight)
Mixture Life	30-40 minutes for 200 gr. (DIN 16945)
Performance Information	
Pull-of Strength	5 N/mm ² (TS 1967)
Abrasive Strength (Taber)	150 mg (TS 8103 EN ISO 5470-1)
Dust Drying	1 hour or 2 hours (TS 4317)
Touch Drying	5-7 hours (TS 4317)
Through-Dry	7 days (TS 4317)
The Class of Reaction to Fire	Efl

Technical information is approximate value obtained from the Tekno Construction Chemicals Laboratory works and are valid for the performance of the finished product in 27 days, which are obtained at +20 °C temperature and 50% relative air humidity rate.

Teknobond 200 P

R2T Class Polyurethane Adhesive Paste



Public Pos. No: 04.380/013

Product Description	Polyurethane based, two component, solvent free, thixotropic, closing and adhesive paste for correcting elastic floor, infilling, multi purpose bonding.
Areas of Usage	<ul style="list-style-type: none">• Repair of capillary cracks on concrete surfaces• In all kinds of industrial floor coatings for the purpose of chamfering in horizontal-vertical joints,• On surfaces such as metal, stone, concrete, wood, eternite, glass,• Parquet, carpet bonding,• Can be used for floor correction.• For surfaces such as metal, sheet metal, marble and granit.• Bonding TEKNOMER DILATATION TAPES.
Features and Benefits	<ul style="list-style-type: none">• Easy to apply.• Thixotropic, no flow.• It is resistant to chemicals and aging.• Solvent-free• It's impermeable.• It has semi-matte and smooth appearance.• Provides excellent adherence for surfaces such as metal, sheet metal, marble and granit.
Application Instructions	<p>Surface Quality: The surface of the application should be free from all kinds of dust, dirt, weak and volatile particles, cement grout residues, oil and dirt and be dry. Concrete bottom surface should be clean, strong and have sufficient compressive strength (at least 25 N/mm²), pull off strength should be at least 1.5 N/mm².</p> <p>Surface Preparation: The application surface should be cleaned using methods such as applying compressed air to maintain maximum adhesion strength. The best adhesion is obtained by application with TEKNOBOND 110 polyurethane primer.</p> <p>Mixing: After component B has been added to component A, stir for 2-3 minutes until a homogeneous color is obtained with a low speed, electric stirrer (max. 400 rpm). The workman ship depends on the roughness of the concrete floor.</p>
Application Notes / Restrictions	<ul style="list-style-type: none">• In order to complete the hardening of the material, do not use below the minimum allowable temperature.• Low temperatures will slow the hardening, while higher temperatures will accelerate the hardening.• The pot life will also vary depending on the temperatures.• The product may irritate the skin. Work clothes, protective gloves, masks and glasses must be used. Protective cream can be applied to hands before starting work. In case of grout contact with eyes, eyes should be washed immediately with warm water and consult a doctor.• Immediately after application, before hardened, the equipment should be cleaned with TEKNOTHINNER. Hardened polyurethane mortar can only be mechanically cleaned.• Component B is harmful because it contains isocyanate.• Do not add any foreign material into the product.• Component quantities are set to measured. Do not use component A or component B in a lesser amount.

Storage Conditions 12 months in warehouses without exposure to sunlight, at room temperature.

Technical Data

General Information	
Appearance/Color	White
Shelf Life	12 months
Package	20 kg set
Application Information	
Application Temperature	(+5°C) - (+35°C)
Mixture Ratio	9 Units A Component; 1 Unit B Component (by weight)
Mixing Density	1,35 ± 0,05 gr/ml
Pot Life	45-60 dk
Consumption	~1,5 kg / m ² (On smooth surfaces, with 4x4x4mm threaded comb)
Service Temperature	(-30°C) - (+80°C)
Slip (EN 1308)	<0,5 mm
Pedestrian Traffic Opening Time	1 day
Full Strength Time	7 days
Performance Information	
Cutting Adhesion Strength	
Beginning	≥ 2,0 N/mm ²
After immersed in water	≥ 2,0 N/mm ²
After Thermal Shock	≥ 2,0 N/mm ²
Flexibility	Excellent
Hardness (Shore A)	~80

Technical data are approximate values obtained from the laboratory study of Tekno Construction Chemicals for finished products obtained at +20°C air temperature and 50% relative air humidity and valid for its performance after 28 days.

Teknobond 110

Polyurethane Based Primer Material with Solvent



CE TS EN 1504 – 2

Product Description

It is one component polyurethane primer material including solvent. TEKNOBOND 110 is basically used as primer material at pre-treatment of polyurethane based materials.

Areas of Usage

- It is used in order to immobilize dusting and crumbling surfaces,
- To increase abrasion resistance of mineral-based surfaces and to obtain high adherence on surfaces to make polyurethane coating.
- It increases adherence of material to come onto it by applying before adhesive or coating application on wooden, concrete etc. absorber surfaces.
- It is used as bituminous surface primer under polyurethane isolation coatings especially on roof applications. Solvents used in material has no negative effect on bituminous surfaces.

Features and Benefits

- It is transparent and includes solvent and is not effected by weather conditions.
- Resistant against salty water, salt solutions, diluted acids, aliphatic solvents, gasoline and mineral oils.
- It deeply penetrates into all mineral and concrete surfaces with adherence.
- It is fast and easy to apply.
- It reduces water absorption of concrete and fills non-structural capillary cracks.
- It ensures two-stage protection as it ensures permanent water impermeability on surface.
- It creates an impermeable surface by filling pores on gas concrete and similar surfaces.
- It increases adhesion power of boat repair and filling putty.

Application Instructions

Surface Quality: Concrete and plasters should be cured for at least 28 days. Mortar residual etc. on cured surface is applied after removing with slight sand blasting or brushing. Loose specks such as old dirt, dust etc. on old concrete and plaster surface are removed by sandblasting, scarifying and brushing methods. Oil and grease residuals are cleaned by detergent water. If neutralization is required, surface is wiped with 3-4% hydrochloric acid or acetic acid solution and washed with water. Before applying Teknobond 110, you should be careful that surface is completely dry.

Surface Preparation: Surface to apply should be cleared of any kinds of oil, rust, detergent etc. adhesion-avoiding substances and loose specks. Surface humidity of the concrete should be under 4%. If situations requiring repair such as crack, cavity exist on the surface, it should be repaired by convenient cement based (TEKNOREP) or epoxy based mortars (TEKNOBOND 400).

It will be helpful to conserve at a place under 20 - 30°C one day before TEKNOBOND application day. TEKNOBOND 110 primer material which is one-component, ready-to-use and reacting with moisture should be applied by transferring the pot as much as amount to be used (without adding different mixtures). It is applied to cleaned surface by the help of brush or roll and by directly administering continuously. Approximately 20-50 micron (dry film) is applied on each layer. Primer applied floor should be protected from water for 3-4 hours.

Curing Phase: It shouldn't be allowed to leap water onto it or to open to the traffic before TEKNOBOND 110 completes its cure. Duration of opening to the traffic is minimum 24 hours.

TEKNOBOND 110 is applied as one layer or two layer depending on pore amount on the surface and tissue of the surface. If primer application is to be made two-layer; second layer should be applied before first layer completely dries but when it is adhesive. Right time can be determined by checking adhesion of primer layer by hand. If it is applied earlier, removing volatile will get hard and this will have undesired effects on next coatings. In case of applying second layer too late, then adhesion will be effected negatively. Primer will get dry fast under hot weathers and for applications which are especially made on surfaces which is directly exposed to sun. In that cases, applying second layer shouldn't be delayed.

Cleaning: It should be protected against negative weather conditions such as direct sunlight, strong wind, high air temperature (over +30°C), rain and frost after the application. As hardening will be completed in a short while after the application, required care must be taken and hands should be washed by water and soap.

Application Notes / Restrictions

- It includes solvent, burnable. Don't get close with open flame and don't smoke during the application.
- TEKNOBOND 110 is cured by air. If administered as a thick layer, it forms foam.
- Application should be carried out in layerform.
- Relative humidity shouldbe between 40% 90% for TEKNOBOND 110 toreceive its cure completely.
- Before coating, it should be waited to remove solvent inside completely.
- Work open and only where sufficient ventilation is ensured. Consider that sufficient solvent smell may consist in closed spaces.
- It should be considered that floor temperature is 3°C over the dew point.
- Usegloves,gogglesandprotectiveclothes.Washwithsoapandwaterincaseofcontactwithskin.
- It is applied with brush with short hard haired brush or roll with short piles.
- Immediately after the application, just before the hardening, equipment should be cleaned by TEKNOTHINNER.

Technical Data

General Information		
Color	Light yellow	
Base Polymer	Polyurethane	
Package	3 kg or 15 kg tin package	
Shelf Life	12 months in dry environment in unopened package	
Wastage	100 - 250 gr/m ² (it may change depending on the surface.)	
Application Information		
Water Resistance	No leaking (1m water column, 24 hours)	DIN EN 1928 Test A
Toughness	> 95 (Shore A)	DIN EN 1928 Test A
Adhering to concrete surfaces	>1,50N/mm ²	ASTM D 903
Tack Free @23°C 4 hours	4 hours	
Waiting period for the upper layer at least @23°C	2 hours	
Waiting period for the upper layer the most @23°C	24 hours	
Full Curing Period	1 - 3 days	
Application Temperature	+8°C - +30°C	
Hand Drying	2-4 hours	

TEKNOBOND 215 P

Polyuretahane Based Rubber Adhesive



Product Description Polyurethane based, two component, high performance, rubber adhesiv

Uses

- Provides a strong and elasticadhesion for all majör floor coating material
- Used all kinds of ground as rubber adhesive

Features and Benefits

- Polyurethane based
- High adhesion of the surface
- Low VOC content
- Resistant to chemicals
- Good physical properties
- Can be used at all kind of indoors / outdoors grounds

Substrate Quality

Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve a profiled open textured surface. Weak concrete must be removed and surface defects such as blowholes and voids must be fully exposed. Repairs to substrate, filling of blowholes/voids and surface levelling can be carried out using appropriate products from the Tekno Repair materials. The concrete or screed substrate has to be primed or levelled up in order to achieve an even surface. High spots can be removed by e.g. grinding. All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush and/or vacuum.

Application Procedure

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. Lay in the covering, rub down over the whole surface and, after approx. 15 minutes, rub down with pressure or roll. Ensure good transfer to the backing of the covering. Clean off adhesive contamination whilst still wet using water.

There is no need for any primer in upper floor gymnasium applications where no moisture is present. Using primer is especially important in outdoor applications. When the primer is applied, it must be protected from contaminants and dust until the next layer is applied. In other common applications, in adhesion of inlay, carpet, PVC; generally a primer is not required. A suitable primer must be selected if unusual conditions are present.

Mixing the components is carried out by means of a low speed mixer. When component A is mixed in its container with the mixer component B is added on it. The components are mixed for 2 – 3 minutes more by paying attention that no air is entering into the mixture and it becomes completely homogeneous. The mixture is transferred to a separate application container. Do not use the mixing container as the application container. Unmixed portions cause problems. The mixture is poured on the floor and applied by jagged steel screed rails. The material to be adhered is placed on top it and pressed down with a sufficient force. The mixture must not be left in the container; it must be applied on the surface immediately. Otherwise it may rapidly cure by getting hot in the container.

Cleaning of Tools

Clean all tools and application equipment with Tekno Tiner K immediately after use.
Hardened/cured material can only be mechanically removed

Pot Life

Approx 30 min at 20°C

Technical Data

Chemical Structure	2K Polyurethane
Colour	Beige
Density (kg/lt)	1,80 (± 0,05)
Solid Content (%)	100
Pot Life (min)	30 min
Final Strength:	72 Hours