



Interchemol Sp. z o.o.

sport and recreation







INTERCHEMOL Sp. z o.o. has been in production, trade and service business of sport coatings **ELTAN** since 1990. Our product portfolio includes outdoor system solutions for multipurpose fields, school sport facilities, athletic running tracks, tennis courts and indoor system solutions for gymnastic rooms, multipurpose sports halls and fitness clubs. We are producing top quality adhesives for artificial turf installations too. We are also offering adhesives for molded rubber rebonding (eg. rubber tiles). Furthermore we have in our offer coatings for children playgrounds: playground safety surfacing **ELTAN PLAY** and **UNIPLAY**.

For more than 30 years, we have been developing, producing and supplying complete **ELTAN** products for sport surfaces so we have a lot of experience and extensive knowledge. Thanks to this our sport coatings **ELTAN** are the best quality products: extremely durable, weather resistant and ecologically friendly.

Our surfaces have International Association of Athletics Federations (**IAAF**) Certificates and surfaces has been tested in accordance with **EN 14877**. Playground surfaces has been tested in accordance with **EN 1177**.

Thousands square metres of our sports surfaces was installed to this day. Our experienced team offers technical service and jobsite supervision. Our company has its seat in Oborniki Śląskie, south-west part of Poland.

We kindly invite you to familiarise yourselves with our offer!





running tracks

Exceptional mechanical strength, slip resistance, elasticity, unique durability and resistance to weather conditions make polyurethane running track surfaces most commonly used at sports stadiums. The surfaces described herein are mainly used to make running tracks, long jump runway surfaces, javelin runway surfaces, etc. These systems have extremely good strength parameters and they can be used by athletes running in spikes. This group includes both impermeable and permeable surfaces. Depending on the surface type we recommend asphalt, concrete or mineral base.

Eltan S/EPDM



Fields of application

Impermeable coating ELTAN S/EPDM is designed for professionals, with very high durability properties, in the group of polyurethane coatings. The main application of ELTAN S/EPDM are athletic race-tracks, run-up tracks, stadiums and sports fields under intensive exploitation.



Application method

The ELTAN S/EPDM is applied in two layers. The bottom layer is applied by even spread of a polyurethane substance. The final layer is the EPDM granulate embedded in a PU material. The overall thickness of the surface is in the range of 6–20 mm, depending on investor's requirements.

Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Layers constituting the ELTAN S/EPDM coating

- 1) First layer (thickness ~10 mm),
- 2) Final layer (thickness ~4 mm).

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.

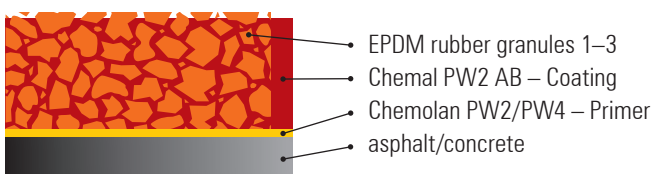
Certificates

- Coating meets requirements of
- WA Certificate
 - EN 14877

Advantages

The flooring coating ELTAN S/EPDM features very high durability parameters, achieved at reduced thickness, and with a possibility to use spike shoes. The coating ELTAN S/EPDM is a perfect technological solution designed mainly for athletic race-tracks and tennis-courts in roofed objects. This type of surface can be applied on asphalt or concrete.

Cross section of the ELTAN S/EPDM coating





Eltan S/E

Fields of application

The main fields applications of ELTAN S/E are athletic racetracks, run-up tracks and multi-purpose sports fields. Impermeable surface of ELTAN S/E is a product suitable both for professionals, and for amateurs.

Advantages

Combination of high durability parameters and reasonable pricing, place this coating in the group of coatings built-in both at the stadiums and at schools. This type of surface can be applied on asphalt or concrete.

Application method

The coating ELTAN S/E is prepared in two stages. The bottom layer (bearing layer) is a mixture made of rubber granulate bonded by polyurethane adhesive. The rubber "carpet" prepared this way, is closed by a highly-flexible polyurethane filler, which is first covered by polyurethane material, and subsequently by EPDM granulate. The overall thickness of the surface is within the range of 12–20mm, depending on investor's requirements.

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.

Layers constituting the ELTAN S/E coating

- 1) Primer
- 2) Basis granule mat (thickness approximately 10mm)
- 3) Closing layer
- 4) Final layer

Available colours

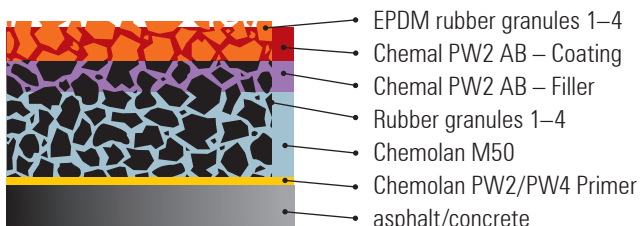
Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.



Certificates

- Coating meets requirements of
- WA Certificate
 - EN 14877

Cross section of the ELTAN S/E coating

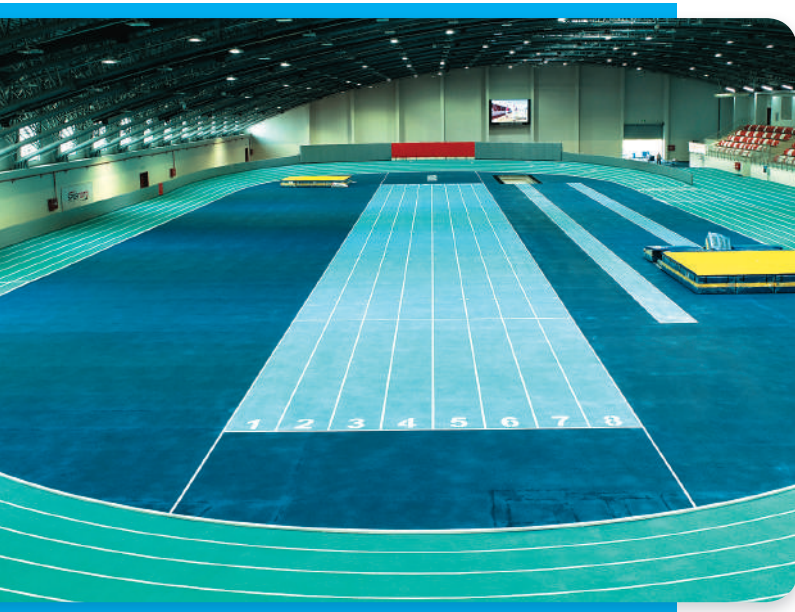


Eltan S



Fields of application

The impermeable flooring coating ELTAN S is a product designed for professionals, with the highest resistance parameters in the group of polyurethane surfaces. The main applications of ELTAN S are sports stadiums, athletic racetracks, run-up tracks and playfields for extreme exploitation.



Application method

The coating ELTAN S is a multi-layer coating, depending on thickness to be achieved. The bottom layer, prepared in two or three stages, is composed of a mixture made of rubber granulate bonded by polyurethane material. The outer layer is the EPDM granulate embedded in PU material. The overall thickness of the surface is within the range of 10–16 mm, depending on investor's requirements.

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.

Layers constituting the ELTAN S coating

- 1) The first two layers (thickness approximately 10 mm)
- 2) Final layer (thickness approximately 3 mm)

Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

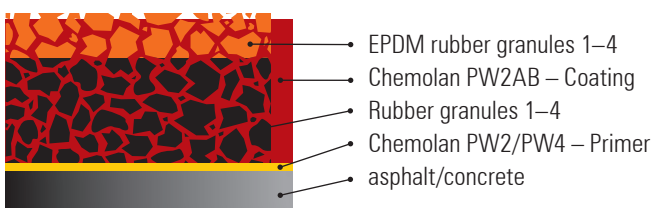
Advantages

The coating ELTAN S provides very high resistance parameters and a possibility to use spike shoes. The coating ELTAN S is a perfect technological solution designed mainly for professionals. This type of surface can be applied on asphalt or concrete.

Certificates

- Coating meets requirements of
- WA Certificate
 - EN 14877

Cross section of the ELTAN S coating





Eltan N

Fields of application

The permeable flooring coating is recommended mainly for school and housing settlement playgrounds, and for racetracks. The coating ELTAN N is a technological solution both for professionals, as well as for less demanding applications, such as multi-function playfields, school racetracks, etc. This type of coating can be applied both on concrete beds, and on tarmac, as well as on a mineral base.

Advantages

This type of surface is flexible and durable in use. One of the major features of the ELTAN N surface is water permeability, which allows maximum use of the surface during the year, and a relatively low cost of execution.

Application method

The coating ELTAN N is a double-layer coating. The first layer is a mixture of rubber granulate bonded by adhesive. The second layer is a PU spray-on system, with a mixture of EPDM granulate, applied by a pressure method. The overall thickness of the surface is within the range of 12–25 mm, depending on investor's requirements.

Layers constituting the ELTAN N coating

- Intermediate flexible layer, thickness approximately 11 mm
- Outer usable layer, thickness approximately 2 mm

Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Durability

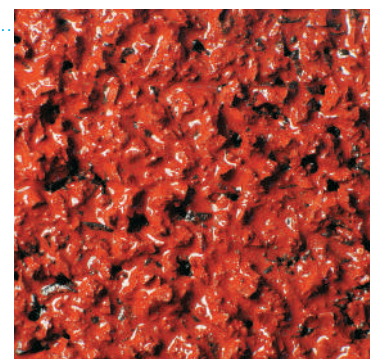
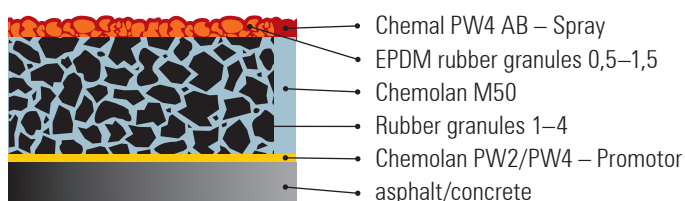
During normal exploitation only the outer surface is worn, which is temporarily renovated. Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.



Certificates

- Coating meets requirements of
- WA Certificate
 - EN 14877

Cross section of the ELTAN N coating







multi-purpose fields

The surfaces presented below are designed to be used in multi-purpose facilities such as sports fields where team games may be played or playing fields. Due to the fact that one sports field may be divided into a few individual areas, various games and sporting disciplines may be practised there thus eliminating the necessity of using a number of sports fields. The aforementioned surfaces are ideal for team sports such as volleyball, basketball, handball or tennis. Multi-purpose polyurethane surfaces feature high durability and they are low-maintenance surfaces, which reduces maintenance cost and makes these surfaces particularly suitable for schools and housing estates.

Eltan P

Fields of application

Permeable surface designed mainly for schools and housing estate's play fields. The coating of ELTAN P is a technological solution suitable both for professionals, and for amateurs.



ranges from 35 mm to 60mm. Both layers are prepared directly on customer's site. This prevents possible irregularities of the outer layer of the flooring.

Durability

It should be emphasised that during exploitation only the outer layer is worn, which is temporarily renovated. Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–7 years of intensive use.

Layers constituting the ELTAN P coating

- 1) Primer
- 2) Main bearing layer (thickness 35 mm)
- 3) EPDM granule mat (thickness 8 mm)

Stone foundation:

- I. Fossil sand layer – thickness 10 cm
- II. Crushed stone, fraction 5–32 mm – thickness 15 cm
- III. Stone dust, fraction 0–5 mm – thickness 5 cm

Advantages

This type of surface is flexible, durable in use and highly resistant. The main advantage of this type of surface is water permeability and a possibility to apply without concrete or asphalt base.

Application method

The coating ELTAN P is a multi-layer product, and depending on investor's requirements, its thickness

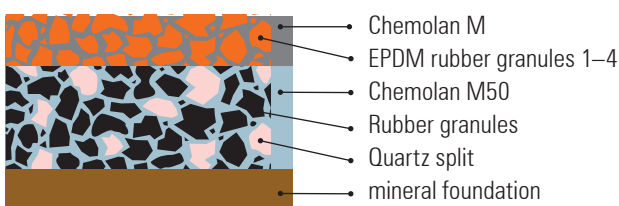
Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Certificates

Coating meets requirements of EN 14877

Cross section of the ELTAN P coating



Eltan EPDM

Fields of application

Permeable coating ELTAN EPDM is recommended for school and residential settlement playgrounds, and for racetracks. The coating ELTAN EPDM is a perfect technological solution suitable for amateurs as well as for professionals. This type of coating can be applied both on concrete beds, and on tarmac. This coating can also be applied on a mineral base. In such case, additional bearing layer is used, and the coating is offered as ELTAN P.

Advantages

Coating of this type is flexible and durable in use. The main features of ELTAN EPDM coating are: water permeability, allowing maximum use of surface during the year, and high durability parameters.

Application method

The ELTAN EPDM is a single layer, by application, on a properly prepared bedding, of a layer of EPDM granulate bonded by polyurethane adhesive. The overall thickness of the surface is in the range of 8–13 mm, depending on investor's requirements. The bearing layer made of rubber, gravel and polyurethane, is prepared directly on customer's site. This allows to avoid irregularities of the outer layer of the coating.

Layers constituting the ELTAN EPDM coating

Single-layer coating – outer usable layer, thickness approx. 10 mm.

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.

Available colours

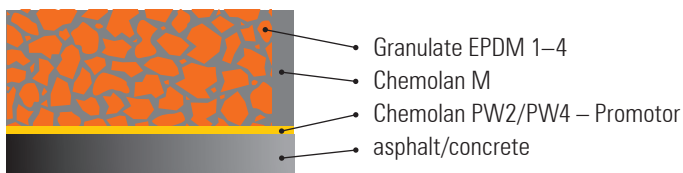
Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.



Certificates

Coating meets requirements of EN 14877

Cross section of the ELTAN EPDM coating



Eltan N/E

Fields of application

Impermeable coating recommended for school and housing settlement playgrounds, and for racetracks. The coating ELTAN N/E is a technological solution both for amateurs as well as for professionals. This type of coating is most often applied on concrete or on asphalt.

Advantages

This type of surface is flexible and durable in use. It is used in sports objects, where there is no possibility of superficial rain water drainage.

Application method

The coating ELTAN N/E is a double-layer coating. The first layer is a mixture of rubber granulate bonded by adhesive, forming a carpet, which is subsequently closed by a filler system. The second layer is a PU spray-on system, with a mixture of EPDM granulate, applied with a pressure method. The overall thickness of the surface is within the range of 12–25 mm, depending on investor's requirements.

Layers constituting the ELTAN N/E coating

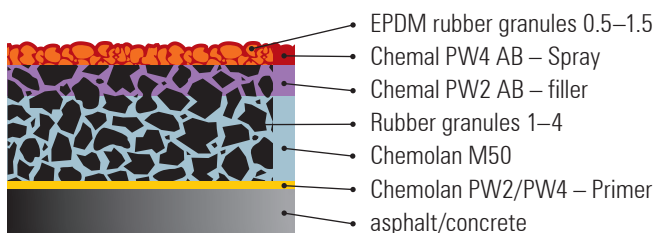
- 1) Intermediate flexible layer, thickness approximately 11 mm.
- 2) Final layer, thickness approximately 2 mm.

Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.



Cross section of the ELTAN N/E coating



Eltan 2S

Fields of application

The flooring coating is permeable, and is particularly recommended for school and residential settlement playgrounds, and for race-tracks. The coating ELTAN 2S is a perfect technological solution suitable for amateurs as well as for professionals. This type of coating can be applied both on concrete beds, and on tarmac. This coating can also be applied on a mineral base. In such case, additional bearing layer is used, and the coating is offered as ELTAN P.

Advantages

Coating of this type is flexible and durable in use. The main features of ELTAN 2S coating are: water permeability, allowing maximum use of surface during the year, and high durability parameters.

Application method

ELTAN 2S is a double layer coating. The first layer is a mixture of rubber granulate bonded by adhesive. The second layer is a mixture of EPDM granulate with PU adhesive. The overall thickness of the surface is within the range of 14–25 mm, depending on investor's requirements.

The bearing layer made of rubber, gravel and polyurethane, is prepared directly on customer's site. This allows to avoid irregularities of the outer layer of the coating.

Layers constituting the ELTAN 2S coating

1. Bearing layer with ELTAN P
– thickness approx. 35 mm (optional)
2. Intermediate flexible layer
– thickness approximately 8 mm
3. Outer usable layer
– thickness approximately 8 mm

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.



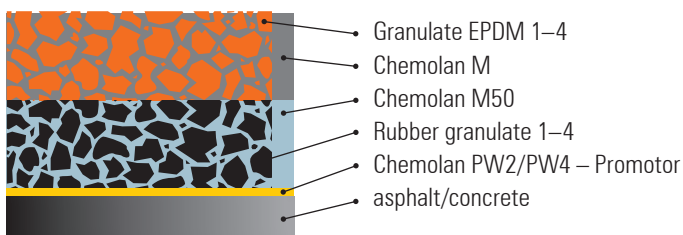
Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Certificates

Coating meets requirements of EN 14877

Cross section of the ELTAN 2S coating







tennis courts

Tennis court surfaces are made of EPDM rubber, which makes it possible to obtain operational properties similar to natural clay tennis courts. These surfaces feature high elasticity and dynamics which makes them very safe and comfortable. Surfaces of this type are usually resilient, which increases the pleasure of playing and reduces the likelihood of injury. They are perfect for amateur and professional sports. Using synthetic surface allows for maximizing the use of the surface all year round, shortening the time when the surface cannot be used due to weather conditions, which is the case when mineral surfaces are used.

Eltan 13 P/E

Fields of application

The flooring coating ELTAN 13P/E is a polyurethane surface, designed mainly for multi-purpose sports fields, playgrounds and tennis courts. This type of solution provides good durability parameters at an attractive price. It is an ideal product for schools and residential settlement playgrounds. The coating ELTAN 13 P/E is a perfect solution for amateurs. This type of coating can be applied both on concrete beds, and on tarmac. This coating can also be applied on a mineral base. In such case, additional bearing layer is used, and the coating is offered as ELTAN P.



Advantages

The coating ELTAN 13P/E is flexible, durable and provides a possibility of a very easy and cheap regeneration of the usable surface.

Application method

The coating ELTAN 13P/E is a multi-layer coating, obtained by application, on a properly prepared bedding, of a layer of SBR granulate bonded by polyurethane adhesive. The next stage comprises closure of the rubber carpet by a filler system. After having prepared the bearing layer, polyurethane adhesive is sprayed on, which is subsequently finished by fine EPDM granulate. This action is repeated few times, which provides proper thickness of the usable layer. The overall thickness of the surface is within the range of 11–13 mm, depending on investor's requirements.

Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 3–4 years of intensive use.

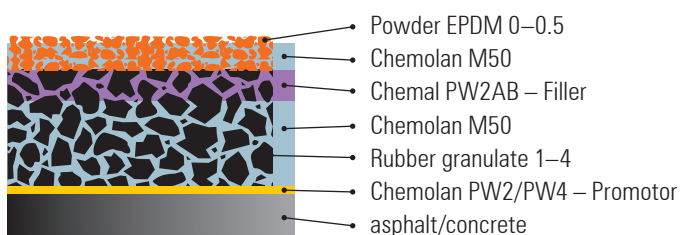
Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Layers constituting the ELTAN 13 P/E coating

1. Impregnation layer
2. Bearing layer (thickness – approx.10 mm)
3. Closing layer
4. Final layer

Cross section of the ELTAN 13P/E coating



Eltan P/E

Fields of application

Impermeable coating ELTAN P/E is designed mainly for use on multi-purpose playfields, playgrounds and tennis courts. The coating of ELTAN P/E is a perfect solution suitable both for amateurs, as well as for more demanding users.

Advantages

The coating ELTAN P/E is flexible, durable in use and provides very easy and cheap regeneration of the outer usable surface. This type of solution guarantees good resistance parameters at an attractive price. It is an ideal product for schools and housing settlement playgrounds.

Application method

The coating ELTAN P/E is a multi-layer product, applied on a properly prepared mineral base made of SBR granulate and crushed stone bonded with polyurethane adhesive. The next step is achieved by closure of the rubber carpet with a filler system. After having prepared the bearing layer this way, polyurethane adhesive is applied, which is subsequently covered by fine EPDM granulate. This action is performed multiple times, until proper thickness of the usable layer is obtained. The overall thickness of the coating is within the range of 27–45 mm, depending on investor's requirements.

Layers constituting the ELTAN P/E coating

- 1) Main bearing layer (thickness – approximately 35 mm)
- 2) Closing layer
- 3) Final layer



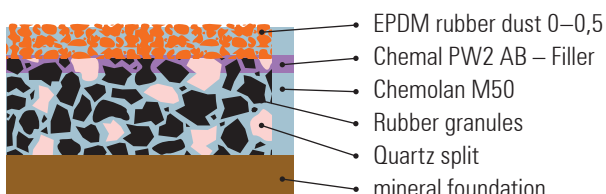
Durability

Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 3–4 years of intensive use.

Available colours

Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirement.

Cross section of the ELTAN P/E coating







sports halls and gyms

We offer surfaces intended for indoor sports flooring systems in sports facilities such as sports halls, gyms, fitness clubs, weight rooms, etc. These systems enable their users to practise team sports such as volleyball, basketball, handball, etc. safely. They are seamless and easy to keep clean. Thanks to using high quality polyurethane materials and a special bearing structure our surfaces exhibit excellent technical parameters (high impact energy absorption - joint protection), an optimal friction factor as well as unique durability and service life.

Eltan W

Fields of application

Indoor floor coating ELTAN W is perfect for gym halls, fitness studios, etc.

Advantages

The flooring coating ELTAN W provides very high comfort and durability, it is flexible and easy to clean. It is perfect for indoor applications, providing very high comfort of use.



Application method

The ELTAN W coating consists of layers applied in stages. The first layer is a prefabricated rubber mat bonded with the base. The second layer is PU filler system. The third layer is polyurethane mass. And the

final layer is PU varnish, providing high value of use, concerning surface abrasiveness and sliding friction. The overall thickness of the flooring coating is in the range of 6–16mm, depending on investor's requirements. This type of coating can be applied directly on properly prepared concrete or on a wooden grate, i.e. joist floor.

Durability

During normal exploitation only the final layer of the coating is worn, which can be very easily renovated by another application of the varnish layer. Based on our experience we can guarantee that this surface is long lasting. Restoration may be required after approximately 5–6 years of intensive use.

Layers constituting the ELTAN W coating

- 1) Adhesive layer bonding the mat with the base,
- 2) Bottom flexible layer, rubber mat, thickness from 4 to 14 mm,
- 3) Closing layer,
- 4) Usable bearing layer, thickness approximately 2 mm,
- 5) Final layer.

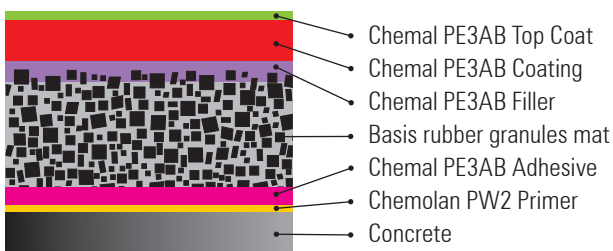
Available colours

12 colours of coating are available as a standard, however in case of customer's interest in a wider range of colours, there is a possibility to individually select other colours.

Certificates

Coating meets requirements of EN 14904

Cross section of the ELTAN W coating



Eltan W/E

Fields of application

Indoor floor coating ELTAN W/E is perfect for gym halls, fitness studios, etc.

Advantages

The flooring coating ELTAN W/E is flexible, durable in exploitation and easy to clean. It is perfect for indoor applications, providing very high comfort of use.

Application method

The ELTAN W/E flooring coating consists of layers applied in stages. The bottom layer is polyurethane priming putty /filler. The second layer is polyurethane mass, which is the bearing layer of the surface. The third layer is a PU varnish, providing high value of use, concerning surface abrasiveness and sliding friction. The overall thickness of the flooring coating is in the range of 2–4 mm, depending on investor's requirements. This type of coating can be applied directly on a joist floor, or directly on a concrete floor. In case of a joist floor, we achieve a flexible surface of the coating.

Durability

During normal exploitation only the final layer of the coating is worn, which can be very easily renovation by another application of the varnish layer. Based on our experience we can guarantee that this surface is

long lasting. Restoration may be required after approximately 5–6 years of intensive use.

Layers constituting the ELTAN W/E coating

- 1) Bottom putty / filler layer,
- 2) Usable bearing layer,
- 3) Final layer.



Available colours

12 colours of coating are available as a standard, however in case of customer's interest in a wider range of colours, there is a possibility to individually select other colours.

Certificates

Coating meets requirements of EN 14904

Cross section of the ELTAN W/E coating







playgrounds

The surfaces included in this group are intended for playgrounds as well as sports and recreation areas. The main advantage of these surfaces is their safety and shock-absorbing ability, which significantly reduces playground-related injuries. A wide variety of bright colours as well as technology which allows for making and joining together playground rubber tiles of different shapes makes it possible to obtain a cute design which stimulates children's imagination and matches just about any surroundings.

Our surfaces are highly durable and weatherproof.

Eltan Uniplay

Fields of application

Permeable coating designed mainly for use on children playgrounds as well as sport and recreation facilities. The main advantage of the surface is its absorption capability, which significantly reduces the risk of body injuries.

Advantages

This type of surface is flexible, durable in use and highly resistant. The main advantage of this type of surface is water permeability and possibility to apply on mineral, asphalt and concrete base.



Installation method

The coating Uniplay is a multi-layer product, and depending on project's requirements, its thickness ranges from 50mm to 120mm. Both layers are prepared directly on customer's site. This prevents possible irregularities of the outer layer of the surface.

Durability

It should be emphasised that during use only the outer layer is worn, which is temporarily restored. Based on our experience, we can state that this type of coating can be used for many years, renovation should be carried out not earlier than after 5–7 years of use, depending on intensity of use.

Layers constituting the UniPlay surface

1. Main elastic layer – granules SBR 2–6 (thickness ca. 20–110 mm)
2. Top EPDM layer – granules EPDM 1–3.5 (thickness ca. 10 mm)

Stone foundation:

- I. Fossil sand layer – thickness 10 cm
- II. Crushed stone, fraction 5–32 mm – thickness 15 cm
- III. Stone dust, fraction 0–5 mm – thickness 5 cm

Available colours

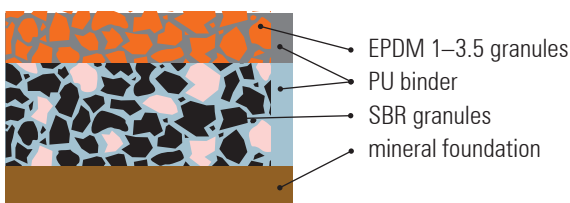
Colours of individual playing fields for various types of sports are chosen based on our customer's individual requirements.

Certificates

The surfaces have been tested and a Certificate of Conformity which confirms the compliance with EN 1177 has been awarded. The Certificate refers to the surfaces of the following thickness:

- UniPlay 30 – thickness 30 mm
- UniPlay 40 – thickness 40 mm
- UniPlay 50 – thickness 50 mm
- UniPlay 60 – thickness 60 mm
- UniPlay 70 – thickness 70 mm
- UniPlay 80 – thickness 80 mm
- UniPlay 90 – thickness 90 mm
- UniPlay 110 – thickness 110 mm
- UniPlay 120 – thickness 120 mm

Cross section of the ELTAN Uniplay coating



Eltan Play

Fields of application

Permeable coating designed mainly for use on school and housing settlement safe playgrounds.

Advantages

This type of surface is flexible, durable in use and highly resistant. The main advantage of this type of surface is water permeability and a possibility to apply without concrete or asphalt base.

Application method

The coating ELTAN Play is a multi-layer product, and depending on investor's requirements, its thickness ranges from 40 mm to 150 mm. Both layers are prepared directly on customer's site. This prevents possible irregularities of the outer layer of the flooring.

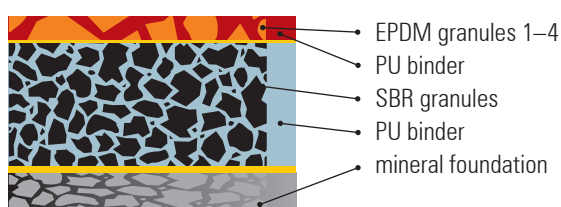
Durability

It should be emphasised that during exploitation only the outer layer is worn, which is temporarily renovated. Based on our previous experience, we can state that this type of coating can be used for many years, restoration should be carried not earlier than after 5–7 years of use, depending on intensity of use.

Layers constituting the ELTAN Play coating

- 1) Main elastic layer (thickness about 50–140 mm)
- 2) EPDM granule mat (thickness 10 mm)

Cross section of the ELTAN Play coating



Stone foundation:

- I. Fossil sand layer – thickness 10 cm
- II. Crushed stone, fraction 5–32 mm – thickness 15 cm
- III. Stone dust, fraction 0–5 mm – thickness 5 cm

Certificates

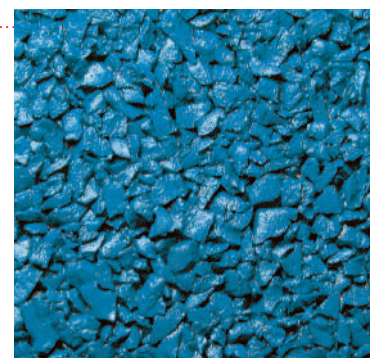
The surfaces have been tested and a Certificate of Conformity which confirms the compliance of the with EN 1177 has been awarded. The Certificate refers to the surfaces of the following thickness:

- Eltan Play 60 – thickness 60 mm
- Eltan Play 100 – thickness 100 mm
- Eltan Play 150 – thickness 150 mm



Available colours

Colours are chosen based on our customer's individual requirement.

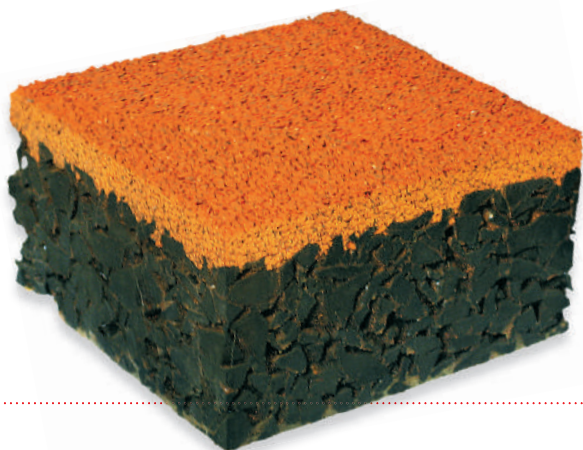


Chemolan B6

Fields of application

CHEMOLAN B6 is a moisture curing, solvent free, PUR binder of medium viscosity. It is based on MDI.

Chemolan B6 is used for bonding rubber or EPDM granules in production tiles, mats and other rubber mouldings. Rubber tiles are used as playground surfaces, surfaces in sports facilities, on terraces, pavements, in gardens and swimming pools as well as in animal housing areas.



Properties

Elements using Chemolan B6 exhibit good mechanical properties, elasticity and durability.

Density in 25°C [g/cm³]
1.14–1.26

Viscosity in 25°C [mPa*s]
3500–5000

NCO content [%]
9.5–10.5

Mold temperature [°C]
110–150

Pressing time [min]
15–20

Application method

CHEMOLAN B6 is used as a moisture curing binder for recycled granules for moulded rubber rebounding.

Due to the medium viscosity CHEMOLAN B6 is easily mixed with the rubber granules in ambient condition. Mixture of binder and granules is loaded in to moulds, compacted and forming in higher temperature. Moulds heat to temperature 110–150°C.

Amount of binder depends on many factors like size of granules, pressing strength and others. We using from 2,5%–35% binder by weight. Reaction of binder need some amount of water which we can put during mixing with granules at end of mixing, or we can use of water vapour during moulding. Amount of water which we need is 1,5–4% of total weight of moulded mass

Available colours

Chemolan B6J3 is available in colors: red, green, grey and black.

Chemolan B6J3

Fields of application

CHEMOLAN B6J3 is a moisture curing, solvent free, PUR binder of medium viscosity. It is based on MDI.

Chemolan B6J3 is used for bonding rubber or EPDM granules in production tiles, mats and other rubber mouldings. Rubber tiles are used as playground surfaces, surfaces in sports facilities, on terraces, pavements, in gardens and swimming pools as well as in animal housing areas.

Properties

Elements using Chemolan B6J3 exhibit good mechanical properties, elasticity and durability.

Density in 25 °C [g/cm³]
1.16–1.22

Viscosity in 25 °C [mPa*s]
3800–4700

NCO content [%]
8.5–9.5

Mold temperature [°C]
70–110

Pressing time [min]
10–15

Application method

CHEMOLAN B6J3 is used as a moisture curing binder for recycled granules for moulded rubber rebounding.

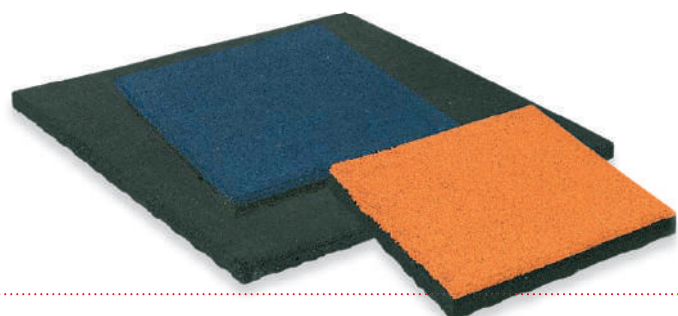
Due to the medium viscosity CHEMOLAN B6J3 is easily mixed with the rubber granules in ambient condition. Mixture of binder and granules is loaded in to moulds, compacted and forming in higher temperature. Moulds should heat to temperature 70–110 °C.

Amount of binder depends on many factors like size of granules, pressing strength and others. We

using from 2,5%–35% binder by weight. Reaction of binder need some amount of water which we can put during mixing with granules at end of mixing, or we can use of water vapour during moulding. Amount of water which we need is 1,5–4% of total weight of moulded mass.

Available colours

Chemolan B6J3 is available in colors: red, green, grey and black.







artificial turf

Due to its virtues, artificial turf replaces natural grass on sports fields more and more frequently. Today it is widely used not only on football stadiums but also on football practice fields and multi-purpose fields. Artificial turf is also used on tennis courts and golf courses.

Artificial turf has a number of other advantages: it always looks fresh and green, it does not require any care, it looks beautiful and fresh both in sunny and shaded areas. It is easy to keep artificial turf clean and looking good.

Chemal PE3 AB Adhesive

Product description

CHEMAL PE3AB ADHESIVE is a solvent free, thixotropic, two component PUR adhesive designed to bonding joints of artificial turf.

Fields of application

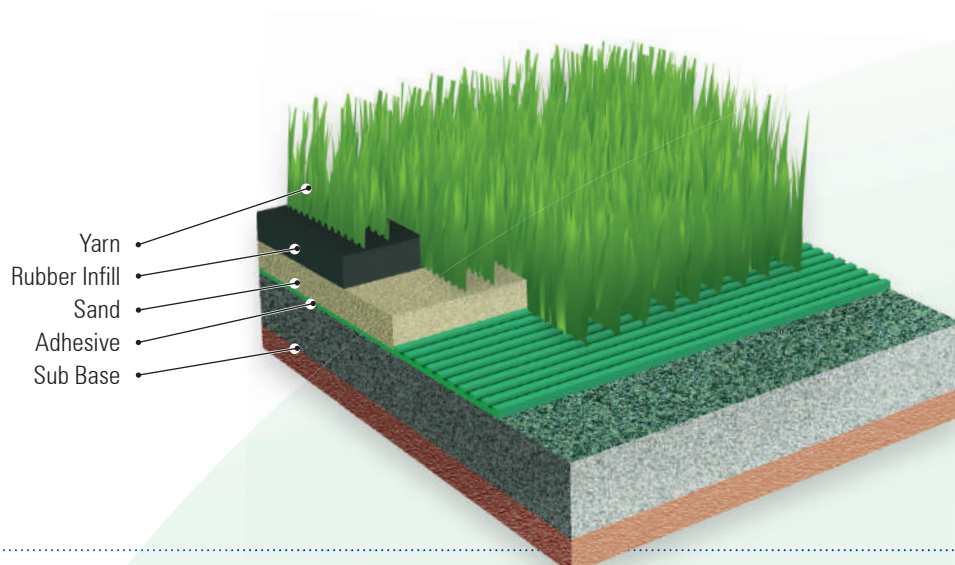
CHEMAL PE3AB ADHESIVE is suitable for the bonding joints of artificial turf. It exhibits good adhesion to wood and steel too. CHEMAL PE3AB ADHESIVE can also be used as an adhesive for prefabricated grubber granule mats, foam mats and linoleum coatings.

Properties

CHEMAL PE3AB ADHESIVE is thixotropic in its A component, has got a long pot life and is easy to apply. CHEMAL PE3AB ADHESIVE exhibits good adherence to asphalt, wood, rubber granule mats and linoleum.

Available colours

green, grey, beige



Chemal PE3 1K Adhesive

Product description

Chemal PE3 1K is a solvent free, thixotropic, one component PUR adhesive designed to bonding joints of artificial turf.

Fields of application

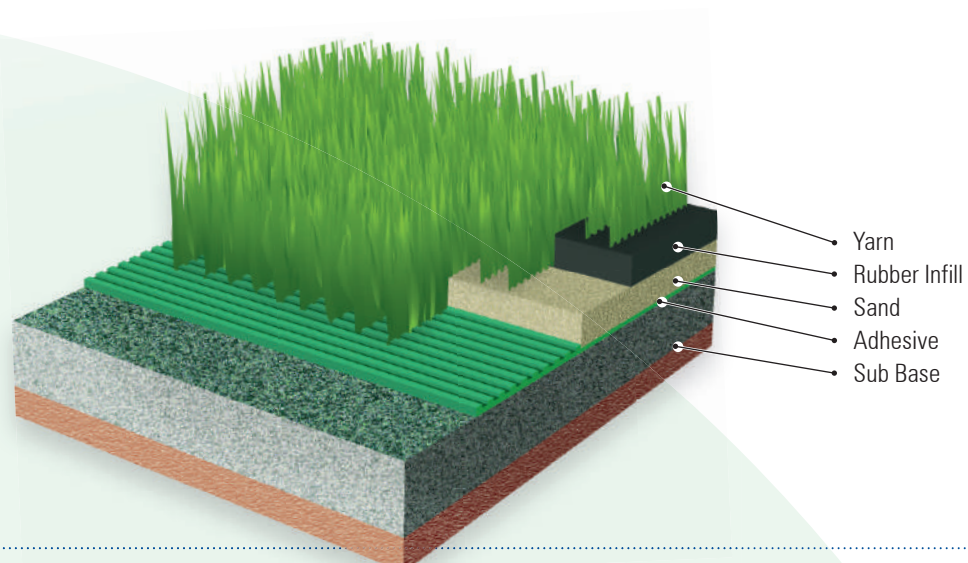
CHEMAL PE3AB ADHESIVE is suitable for the bonding joints of artificial turf. It exhibits excellent adhesion to artificial turf and tapes. Especially recommended in lower temperatures and high humidity.

Properties

CHEMAL PE3 1K has got a very long pot life and is easy to apply. The product exhibits good adherence to tapes and artificial turf also when substrates are wet.

Available colours

green







walking and cycling

Concrete cities full of puddles with standing water and sandy paths where it is easy for pedestrians to become bogged are becoming the thing of the past due to ELTAN Quartz surface.

We are expanding our range of sports and recreational surfaces which our company has produced for 25 years to include ELTAN Quartz gravel surface.

This surface has a number of advantages and a wide variety of applications.

Eltan Quartz

Application

The surface is water permeable, it is particularly suitable for paths and restricted areas for pedestrians as well as limited traffic zones. ELTAN Quartz surface is a perfect technological solution made from rinsed aggregate and polyurethane adhesive. This type of surface may be laid on concrete and asphalt concrete or an adequately prepared substructure made of mineral-based material.



Advantages

This type of surface has high resistance to abrasive wear and compressive strength and high flexibility.

The key advantages of eltan quartz include resistance to changing weather conditions and water permeability.

Surface installation

ELTAN Quartz is laid directly in the place for which it is intended. The surface is aggregate (rinsed gravel) bonded with polyurethane adhesive. The total thickness of the surface may range from 30-100 mm, depending on the Investor's requirements. Installing the material directly in the dedicated place eliminates any possible irregularities of the surface.

Maintenance

Due to the fact that this surface is water permeable, keeping it clean does not require any special operations. It is recommended that the surface be vacuum-cleaned twice a year to remove leaves and dirt and then be cleaned with a high-pressure cleaner.

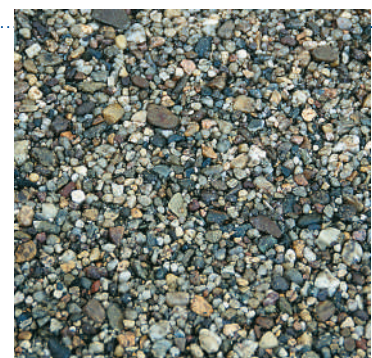
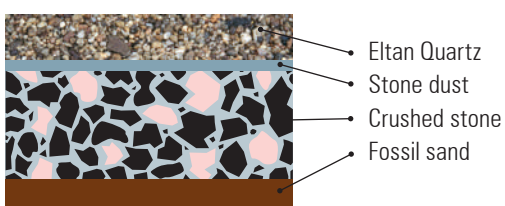
Durability

Based on our experience it can be said that this type of surface may be used for many years and that renovation may be necessary not earlier than after 5-6 years of usage, depending on the intensity of expected use.

Available colours

The colour of the surface depends on the aggregate which was used.

Cross section of the ELTAN Quartz



Eltan Quartz

The key advantage of ELTAN Quartz surface is its water and air permeability which makes the surface breathable.

All these qualities make our surface an eco-friendly alternative to concrete and asphalt surfaces.

Another advantage of the surface is its natural and aesthetic design and the fact that it has no harmful environmental effects, as well as its high resistance to abrasive wear and compressive strength.

Another significant feature of the surface, especially in our climatic zone, is its resistance to changing weather conditions.

When you install ELTAN Quartz you may create fanciful patterns of colour and design.

The surface is easy to make and to keep clean.

ELTAN Quartz system is particularly suitable for paths, alleys, promenades, squares, pavements or cycle paths.

Moreover, it is recommended for use in areas with little traffic, such as driveways.



Because of its good permeability for water it is ideal as surface material to be laid around trees and other plants as well as material of rings around other elements of small garden architecture.

The surface is high-heel friendly and it is suitable for pushchairs and wheelchairs.

running tracks

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