

11 MM POLYURETHANE COATING SYSTEM FOR INDOOR SPORT GROUNDS

COURTSOL SPORT'IN 11 SYSTEM

CHARACTERISTICS

DESCRIPTION

COURTSOL SPORT'IN 11 is a point elastic, seamless polyurethane coating system, 11 mm thick for indoor sport grounds. It is especially developed for sports which require a smooth and flexible surface (basketball, handball, volleyball, badminton...) and provides an optimal comfort for players.

COURTSOL SPORT'IN 11 is the perfect system for multi-purposed use and brings an optimum quality in terms of safety and intensive use.

COURTSOL SPORT'IN 11 combines a 9 mm rubber mat which reduces the risk of injuries, one coat of sealer, one coat of 2 mm of self-leveling polyurethane coating and one coat of polyurethane sealing lacquer.

SCOPE OF USE

Works: New or renovation.

COURTSOL SPORT'IN 11 is according to the DIN 18032 part 2 German standard and specifications of indoor sport flooring.

Site : Indoor

Intended purposes :

Sport grounds for multisport gymnasia which are used for a wide variety of indoor sports like basketball, handball, volleyball, badminton...

Well prepared sub-base and in accordance with the French standard NF P 90-202:

Concrete

Old compatible coatings perfectly adherent to the surface.

Asphalt

SUITABILITY

The coating obtained (**COURTSOL SPORT'IN 11 system**) being considered like dissociable element of construction equipment complies with the requirements of the German standard DIN 18032-2.

Reaction to fire on mix asphalt: M3 according to the requirements of the French departmental order of the 21 st of november 2002.

The coating to be applied on site appeals to several products. It is not delivered like a work component to be incorporated without modification. The durability of the systems, applied according to the products recommendations and within the normal conditions of maintenance goes from 2 years to about 15 years depending on the surface being applied, their exposure and their environment. This wear life means a regular maintenance of the top coat and/or the regeneration of the coating.

APPLICATION GUIDELINES

Substrates and application must be in accordance with the technical data of the differents products.

Rubber mat application:

Pour the whole content of **COURTSOL POLYBOND** part B inside the container part A, mix together both components with a mixer and apply with a serrated squeegee at a coverage rate of about 1.0 kg/m² (see product data sheet). The rubber mat must be glued on the fresh **POLYBOND**, each strip seam against seam.

After about 15 min, roll the surface with a heavy roller of about 50 kg. Leave some weights on the mat (at the edges of each strip) until **POLYBOND** has fully cured.

Application works:

After about 12 hours of drying and having mixed together both components A and B, apply on the whole surface the sealer **COURTSOL POLYBASE BP** on the rubber mat with a straight steel squeegee at a coverage rate of 0,60 kg/m² (see product data sheet).

After about 12 hours of drying and before 48 hours maximum, after having mixed both components A and B, apply, a thin scratch layer of **COURTSOL POLYWEAR** with a straight steel squeegee. The application must be done in the same way than for **COURTSOL POLYBASE BP** at a coverage rate of about 0.45 kg/m².

After about 16 hours of drying and having mixed both components A and B, apply one coat of self-levelling **COURTSOL POLYWEAR** with a metallic notched squeegee on the whole surface at a coverage rate of about 1,35 kg/m²/mm (see product data sheet).

Top coat works:

After about 12 hours of drying and having mixed both components A and B, apply one or two coat(s) of **COURTSOL POLYTOP** with a 50 cm roller at a coverage rate of about 0,165 kg/m² (see product data sheet).

Surface playing delimitation:

After 24 hours of drying and having mixed both components A and B, apply one or two coats of **COURTSOL POLYLINES** with a brush or a foam roller (see product data sheet).

Coverage rate can vary depending on the quality of the surface preparation (refer to COURTSOL INDOOR specifications).

Note : after complete drying and between each coat, carefully check the surface and cut down the irregularities a cutter if needed.

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CAUTION GUIDELINES

Do not apply :

- At an ambient temperature below 15°C and at a relative humidity rate above 80%.
- If the surface temperature is below 15°C or above 60°C.
- If the substrate contains more than 3% of water in weight.

Check:

- The perfect compability and the good adhesion of the old coatings to be maintained.

PACK SIZES AND COLOURS

COURTSOL POLYBOND :	25 kg (20 kg/A + 5 kg/B)
COURTSOL POLYBASE BP :	25 kg (20 kg/A + 5 kg/B)
COURTSOL POLYWEAR :	25 kg (19,50 kg/A + 5,5 kg/B)
available in colours :	blue, grey, green and red.
COURTSOL POLYTOP :	20 kg (16 kg/A + 4 kg/B), (see the colour card).
COURTSOL POLYLINES :	0,90 kg (0,64 kg/A + 0,26 kg/B) 4,50 kg (3,20 kg/A + 1,30 kg/B)

available in colours :white, yellow, red, blue, black.

NEEDED PRODUCTS FOR A 1000 M² COURT

COURTSOL POLYBOND:	1000 kg
RUBBER/FOAM MAT:	1000 m ²
COURTSOL POLYBASE BP:	600 kg
COURTSOL POLYWEAR:	2700 kg
COURTSOL POLYTOP:	160 kg
COURTSOL POLYLINES:	Depending on the surface to be painted.

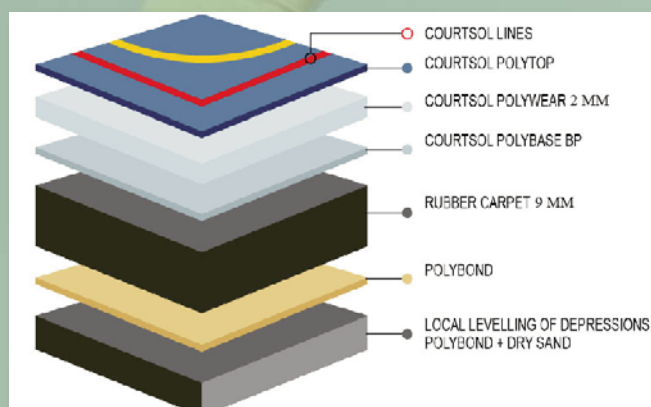
Remark: those quantities do not take into consideration a possible levelling of the depressions with **COURTSOL POLYBOND** and correspond to the minimal consumptions of the different products in order to obtain the appropriate performances of the **COURTSOL SPORT'IN 11** system.

IMPORTANT RECOMMENDATION

Before putting the sport surface into use, it is necessary to wait for one week in order to obtain the complete drying of the coating.

The coating obtained is exclusively assigned to sport practices and the players must imperatively wear the appropriate shoes such as tennis or basket shoes.

DESCRIPTIVE DIAGRAM OF THE SPORT'IN 11 SYSTEM



Creation date: September 2006

The information mentioned in this data sheet results from qualification tests of the products used according to the concerned rules and standards. It is up to the builder to evaluate the characteristics of the substrate for his work preparation and execution, after checking with our departments that the present sheet has not been modified by a more recent edition and that he has all the documents to which the data sheet refers.

COURTSOL

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