

# HIGH COMFORT ACRYLIC 4-COATS SYSTEM ON RUBBER CARPET FOR SPORT-GROUNDS

## COURTSOL SYSTEM COMFORT

### CHARACTERISTICS

#### DESCRIPTION

**COURTSOL COMFORT** is an acrylic 4-coats system applied on a supple rubber carpet glued to the surface. This coating is assigned to new construction or to the renovation of tennis courts and other sport-grounds.

**COURTSOL COMFORT** combines a 4 mm rubber carpet, 2 flexible intermediate coats and a wear resistant top coat, which provide an optimal comfort to the player by absorbing the shock waves. The obtained coating reduces notably the muscular fatigue of the player and the risks of muscular or ligamentar injuries.

#### SCOPE OF USE

**Works** : New or renovation.  
According to the **XP P 90-110** French standard and the Specifications for use of **COURTSOL systems** attached to the sale of this kind of products.

**Site** : exterior or interior.

**Intended purposes** : Tennis courts and sport-grounds of similar use.

**Well prepared surfaces and in accordance with the standard XP P 90-110 or the Specifications FFT/FNCESEL :**

Hot mix asphalt.

Cold mix asphalt, exclusively indoor.

Concrete according to NF P 90-202 in interior, or according to **NF P 74-203** in exterior, notably (standard completing mentioned references according to the **COURTSOL** Specifications).

Old compatible coatings perfectly adherent to the surface.

**Note** : Hot and cold mix asphalts (coated macadams) are different from poured asphalt which is excluded of the scope.

#### SUITABILITY

The thick layer coating obtained (**COURTSOL COMFORT system**) being considered like dissociable element of construction equipment complies with the requirements of the **XP P 90-110** French standard and with the specifications of the International Tennis Federation **I.T.F.** regulations. "Study Performance Standards for Tennis Court Surfaces". Classified in **Category 2 (Court Speed Medium)**.

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

The coating to be applied at the 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 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 (refer to **COURTSOL** Specifications).

### APPLICATION GUIDELINES

Substrates and application must be in accordance with the **XP P 90-110** standard or **FFT/FNCESEL** Specifications as per the **COURTSOL** Specifications.

#### Surface cleaning and preparation works :

Refer to the instructions mentioned in the **General Specifications data sheet**.

#### Laying of the supple carpet :

- **BI-COMPONENT POLYURETHANE GLUE** : pour the whole content of the container B inside the container A, mix together both components with a mixer and apply with a serrated squeegee at a coverage rate of 800 g/m<sup>2</sup> on concrete and 1200 g/m<sup>2</sup> on mix asphalts. (See product data-sheet for use conditions).

- **RUBBER CARPET** : laying of each strip seam against seam.

#### Application works :

- Evenly spread a coat of **COURTSOL RESIBASE BP** at a coverage rate of 1 kg/m<sup>2</sup> on the whole surface with a rubber squeegee. Recoatable after 24 hours (See product data sheet).

- Evenly spread two tinted coats of **COURTSOL RESIBASE** (the second one perpendicular to the previous coat) at a coverage rate of 600 g/m<sup>2</sup> (each time) on the whole surface with a rubber squeegee. Recoatable after 12 hours (See product data sheet).

- Evenly spread a tinted coat of **COURTSOL RESITOP** at a coverage rate of 500 g/m<sup>2</sup> on the whole surface with a rubber squeegee perpendicular to the previous coat. Recoatable after 12 hours (See product data sheet).

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

**Note** : after complete drying and between each coat, carefully check the surface and scrape the roughness with a metallic scraper, if needed. Then sweep up or blow off particles before any further application.

#### Line marking :

- Delimitate lines with **COURTSOL ROLLER BAND**.

- Apply a coat of **COURTSOL LINES** (6 kg for a 648 m<sup>2</sup> tennis court).

### QUALITY

The manufacturing control of these products is realized according to a certified **ISO 9001** quality insurance system.

Construction products non concerned by the EC marking according to the modified Directive 89/106/CEE.



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## CAUTION GUIDELINES

Do not apply :

- At an ambient temperature below 10°C and at a relative humidity rate above 80%.
- If the surface temperature is below 10°C or above 60°C.
- By rainy or foggy weather.
- If the substrate contains more than 3% of water in weight.

Check :

- The perfect compability and the good adhesion of the old acrylic coatings to be maintained.
- The rain-water network and make sure there is no risk of having the water penetrating underneath of the tennis court.

**Reminder** : The compaction of mix asphalts must be realized very carefully and the application has to comply with the requirements of the **XP P 90-110** standard as well as the **FFT/FNCESEL** Specifications, which refer to the **NF P 98-132** and **NF P 98-150** standards.

## PACK SIZES AND COLOURS

RUBBER CARPET	: 1,50 m wide rolls (choice of length).
POLYURETHANE GLUE	: 25 kg net drums.
COURTSOL RESIBASE BP	: 20 kg net drums (grey).
COURTSOL RESIBASE	: 20 kg net drums (red, green, blue).
COURTSOL RESITOP	: 20 kg net drums (8 tints out of the COURTSOL colour chart).
COURTSOL LINES	: 4 kg net and 20 kg net drums (white, yellow, red, blue, black).

## NEEDED PRODUCTS FOR A 648 M<sup>2</sup> COURT

RUBBER CARPET	:	650 m <sup>2</sup> ,
POLYURETHANE GLUE	:	520 to 800 kg,
COURTSOL RESIBASE BP	:	660 kg,
COURTSOL RESIBASE	:	800 kg,
COURTSOL RESITOP	:	340 kg,
COURTSOL LINES	:	6 kg.

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

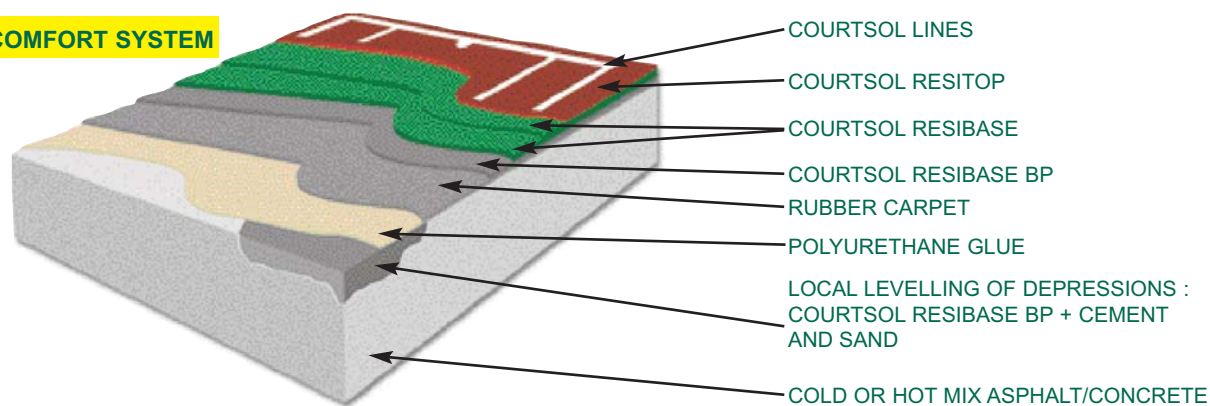
## IMPORTANT RECOMMENDATION

Before putting the court into service, 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 SYSTEM

### COURTSOL COMFORT SYSTEM



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*The informations mentioned in this data sheet result from qualification tests of the products used according to the concerned rules and standards. It's 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.*