

# TOP QUALITY PROFESSIONAL ACRYLIC 9-COATS SYSTEM FOR SPORT-GROUNDS

# COURTSOL SYSTEM PRO PLUS

## CHARACTERISTICS

### DESCRIPTION

**COURTSOL PRO PLUS** is an acrylic 9-coats system for surfacing new or old tennis courts and other sport-grounds.

**COURTSOL PRO PLUS** combines 3 flexible base and intermediate coats with 4 coats containing rubber granules and 1 wear resistant top coat smoothed with 1 finishing coat of paint in order to speed up the game. The whole system enables to obtain a coating for professional sport-ground which combines comfort and optimal game quality.

### 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 medium layer coating obtained (**COURTSOL PRO PLUS 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 5 (Court Speed Fast)**.

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

### Primer works :

- **COURTSOL PRIMER ES 15** is used like an adhesion coat on concrete and on old acrylic coatings.
- **COURTSOL PRIMER ES 40** is used as a specific primer coat in order to reinforce the superficial cohesion of mix asphalts.

### Application works :

- Evenly spread a coat of **COURTSOL RESIBASE BP** at a coverage rate of 0,5 to 1,5 kg/m<sup>2</sup> on the whole surface with a rubber squeegee. Recoatable after 24 hours (See product data sheet).
- Evenly spread two coats of **COURTSOL COMFORT S 1** (the second one perpendicular to the previous coat) at a coverage rate of 700 g/m<sup>2</sup> (each time) on the whole surface with a rubber squeegee. Recoatable after 6 hours (See product data sheet).
- Evenly spread two coats of **COURTSOL COMFORT S 2** (the second one perpendicular to the previous coat) at a coverage rate of 600 g/m<sup>2</sup> (each time) with a rubber squeegee. Recoatable after 6 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).
- Evenly spread one tinted coat of **COURTSOL COLOR** at a coverage rate of 250 g/m<sup>2</sup> (each time) on the whole surface with a rubber squeegee or spray gun (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

COURTSOL PRIMER ES 15	: 15 kg net drums (colourless).
COURTSOL PRIMER ES 40	: 15 kg net drums (colourless).
COURTSOL RESIBASE BP	: 20 kg net drums (grey).
COURTSOL CUSHION BASE	: 22 kg net drums (white).
COURTSOL S1/S2	: 6 kg net bags (black).
COURTSOL RESIBASE	: 20 kg net drums (red, green, blue).
COURTSOL RESITOP	: 20 kg net drums (9 tints out of the COURTSOL colour chart).
COURTSOL COLOR	: 20 kg net drums (9 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

COURTSOL PRIMER ES 40	:	60 kg,
(or COURTSOL PRIMER ES 15	:	100 kg)
COURTSOL RESIBASE BP	:	320 à 1000 kg,
COURTSOL CUSHION BASE	:	2310 kg,
COURTSOL S1	:	360 kg,
COURTSOL S2	:	270 kg,
COURTSOL RESIBASE	:	860 kg,
COURTSOL RESITOP	:	340 kg,
COURTSOL COLOR	:	160 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**.

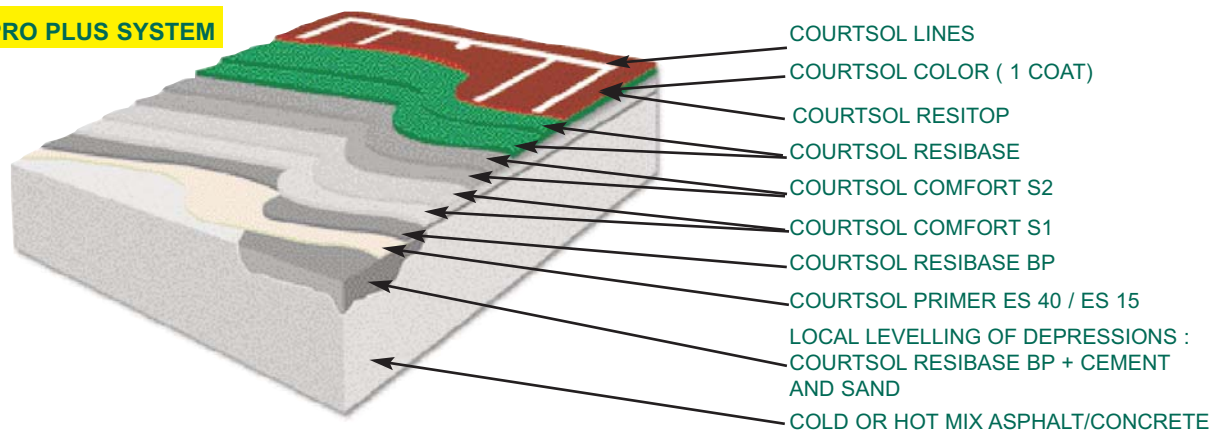
## IMPORTANT RECOMMENDATION

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 PRO PLUS 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.*