

# DURATHANE 506 SP

FLEXIBLE PU SPORTS COURTS SYSTEM

**DESCRIPTION**

**DURATHANE 506 SP** is a two-components, solvent-free polyurethane-based flexible sport courts system featuring an unique tenacity abrasion resistance of PU elasticity. The product is proven to be the best kind of material anent the aspect of aesthetic, protective and athletic purposes.

**USES**

Designed to be used as a shock absorbent sport court system; either on asphalt or concrete substrate such as indoor/outdoor athletic courses, tracks, fields, tennis court, basketball court, volleyball court, badminton court, handball court and children's play grounds etc.

**BENEFITS**

- Shock absorbent in aiding to reduce knee injuries.
- Elastic and abrasion resistance.
- Excellent weather resistance and durability.
- Low cost for maintenance.
- Comfortable but anti-slip.
- Good adhesion on concrete, asphalt, wood, etc.

**COLOR**

Available in Standard colors.  
Other colors can be matched upon request.

**FINISH**

Gloss

**Technical Data :**

No. of Components	System:	Durathane 506P	2
		Durathane 506SP	2
No. of Coats Recommended	System:	Durathane 506P	1
		Durathane 506SP	1.5 - 3mm
Recommended Total Dry Film Thickness			1.5 - 3mm
Mixing Ratio (By Weight)	System:	Durathane 506P	3:2
		Durathane 506SP	3:1
Estimated Coverage	System:	Durathane 506P	5-10m <sup>2</sup> /kg/Coat
		Durathane 506SP	2.5-2.8kg/m <sup>2</sup>
NOTE: Coverage figure given is theoretical. Due to wastage factors, the variety nature of the substrate, and the site application condition, etc., the practical coverage may be reduced.			
Curing Time			24 hours @ 25°C
Bond Strength			break at concrete
Compressive Strength			>3.5N/mm <sup>2</sup>
Temperature Resistance			Max 80°C
Abrasion Resistance			0.75 gms / 1000 gms loading/1000 rpm
Pot Life	System:	Durathane 506P	20 mins @ 30°C
		Durathane 506SP	60 mins @ 25°C
Packaging	System:	Durathane 506P	5/20kg
		Durathane 506SP	20kg

The information given in this data sheet is to the best of our knowledge true and accurate; but as we have no control over where or how the product is applied, there are no warranties expressed or implied regarding the product's use or performance. Customers are advised to thoroughly test before adapting them to their own use. It is strongly recommended to trial on small area before large scale application.

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## TYPICAL DURATHANE 506 SP SYSTEM

### ● DURATHANE 506 P

A waterbased penetrating Epoxy Primer designed specially for use in the DURATHANE 506 SP system.

### ● DURATHANE 506 SP

A heavy duty polyurethane sponge middle coat applied to 1.5 - 3mm thickness.

## INSTALLATION OF DURATHANE 506 SP SYSTEM

### SUBSTRATE REQUIREMENT

Floor to receive DURATHANE 506 SP system must be used on sound and preferably screed to fall to avoid ponding of water. If cracks & joints are present, they must be treated accordingly by normal concrete repair procedures.

### SURFACE PREPARATION

Prepare floor to be treated by grinding or utilizing other methods depending on site conditions as to remove laitance, dust, dirt and other foreign materials which may impair bonding. Repair damaged concrete, cracks and other imperfections by normal concrete repair procedures. It is understood that DURATHANE 506 SP system is not a floor leveler, floor undulation must be corrected by other means of floor leveling procedures in order to avoid ponding of water.

### CONDITION OF USE

DURATHANE 506 SP is a product meant for professional use. All applications must be carried out by trained applicator/specialist contractor to apply. CEMKRETE will not responsible be for any defects or failure if product is not applied in accordance with manufacturing written instructions.

### MIXING

DURATHANE 506 SP is a multi-component / system product which requires proper mixing / handling. It is recommended to read the Product Data Sheet thoroughly and understand its properties or consult CEMKRETE Technical Representative before proceeding to use the product.

### THINNING

DURATHANE 506 SP product is formulated to be used straight from the containers without further thinning.

### TOOLS / MACHINERIES

It is imperative that adequate suitable mechanical tool / machineries are employed throughout the application of DURATHANE 506 SP to achieve the desired result. Without such resources, it is almost impossible to apply DURATHANE 506 SP system with effective results. Consult CEMKRETE Technical Representative for required tools / machineries recommendation.

## APPLICATION

### ● DURATHANE 506 SP

On the properly prepared substrate, mix DURATHANE 506 P accordingly and apply product by spray, roller or squeegee and spread uniformly at a spreading rate of 5 - 10sq.m/kg depending on the floor absorption rate.

Allow product to cure for 24 hours minimum before next coat. Do not mix product more than that can be used within 1hour or before pot life is expired.

### ● DURATHANE 506 SP

On the cured, primed substrate, mix DURATHANE 506 SP accordingly and apply by trowel or squeegee and spread uniformly at a spreading rate of 2.5-2.8kgs/sq.m depending on the floor profiles.

Allow coating to cure overnight.

## ADVANTAGES OF DURATHANE 506 SP SYSTEM

The physical properties of urethane coatings are superior to other polymer systems especially its crack-bridging capabilities due to its high elongation strength; hair-line crack from concrete shrinkages is almost non visible. The tough coating is impervious to water or oil penetration thus prolonging the services life-span of the substrate.

## HEALTH & SAFETY

Some of the components in DURATHANE 506 SP system may be hazardous during mixing and application. Always use with suitable protective gears and adequate ventilation. Please read the relevant Health & Safety Data Sheet, available on request.

## FURTHER INFORMATION

CEMKRETE SDN BHD is the leading manufacturer of Polymer Flooring System and we have many years of hands on experiences not limited to car park only. Our core business besides flooring, we are also known supplier of protective coatings, water proofing, concrete repair products, cementitious / Epoxy / PU grouts, fire proofing, tank lining and surface preparation equipment. For a complete technical solution, make CEMKRETE your partner today. Contact our hotline now.

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