

# Cemseal E100 SC (Type 2)

All Weather Sport Surface Coating System

**cemseal**<sup>®</sup>  
Your Construction Chemical Partner

## The Product

**Cemseal E100SC Top Layer** is a colourful acrylic base floor coating system. It provides the wear-resistance surface for all sport court coating system. It is formulated with the highest quality acrylic binder and colour pigments to ensure permanent non fading court surfaces. It is available in a wide range of attractive colours.

**Cemseal E100SC Base Layer** is factory mixed rubber filled modified latex polymer base bitumen emulsion & specially selected mineral silica. It is designed to be used with Top Layer when extra resilience is desired. It is applied in multiple layers (more layers provide the greater shock absorbing quality). It is recommended that at least 3 coats of Base Layer to absorb some of the impact between the tennis shoe and the court surfaces, however it is not "soft" to run on and play on the surface.

**Cemseal E100SC Filler Layer** is a blend of bitumen emulsion blended with selected non mineral filler and cellulose fiber to be mixed with Silica Sand & Portland Cement to form a slurry coating. It hide the profile of aggregates used in the asphaltic pavement, fill minor voids and leave a uniform surface for application of Top Layer surface systems .

**Cemseal E100SC** reduce glare and lower the surface temperature of the pavement or concrete. It has a non slipping texture with a unique low abrasion feature that makes playing on this surface system easier and comfortable, reducing injuries such as shin splints problem, tennis ball and shoes last longer .

## Uses

- » Re-surfacing of sport surfaces
- » Sport Court Surfaces
- » Tennis Courts

## Advantages

- » Multiple colour available
- » Seamless and monolithic application
- » Good workability for easy and fast application
- » Economical to use due to its easiness and time saving
- » Base Layer is "Soft" for impact absorption and yet comfortable to run on.
- » Factory blended and mixed, minimum dilution with water as required
- » Waterbased and environmental friendly
- » Free from asbestos

## Technical & Physical Data

Colour	Top Layer	: Liquid / Standard colour chart
	Base Layer	: Liquid / Black
	Filler Layer	: Liquid / Black
Coverage	Top Layer	: 3.00 m <sup>2</sup> / kg / coat
	Base Layer	: 1.00 m <sup>2</sup> / kg / coat
	Filler Layer	: 0.50 m <sup>2</sup> / kg / coat
Application	Top Layer	: 2 coats
	Base Layer	: 3 coats
	Filler Layer	: 2 coats (depend on the porosity of the pavement)
Packaging	20 kg/pail, 200 kg/drum	<b>Cemseal Industries Sdn Bhd</b>
Pot Life at 25'C	30 minutes	(Co. No.884153-T)
Thinner / Cleaner	Clean water	9 & 11, Jalan Besi,
Shelf Life	12 months of kept in a cool dry sheltered place	Taman Sri Putri, 81300 Skudai, Johor, West Malaysia

## Method of Statement

Substrate Preparation	<p>New asphalt pavement shall cure for 14 days prior to application of any surfacing materials.</p> <p>The surface to coated shall be inspected and made sure to be free of grease, oil, dust, dirt and other foreign matter before starting work.</p> <p>Tennis courts shall be cleaned using a stiff bristle broom and powered blower or water based pressure spray unit capable of generating 2500psi at the nozzle tip, to remove all dirt and debris.</p> <p>Application shall proceed only if the surfaces is dry and clean and the temperature is at least fifty degrees (50°F) and rising, and the surface temperature is not in excess of one hundred forty degrees (140°F).</p> <p>Do not apply coatings when rain is imminent.</p>
Mixing	<p>Depressions must be primed with a 50% dilution of Filler Layer and water prior to patching.</p> <p>The surface shall be flooded. Any ponding water remaining that is deep enough to cover the thickness of a five-cent piece shall be corrected using a patch mix consisting of 3 volume of Filler Layer, 2 volume of 60-100 mesh silica sand and 1/2 volume of portland cement and 1 Volume of clean water.</p>
Application	<p>Each coat in this system must dry completely before next application.</p> <p>Between each coat, inspect entire surface. Any defects should be repaired.</p> <p>Scrape surface to remove any lumps, and broom or blow off all loose matter.</p> <p>Using a neoprene rubber squeegee, apply two (2) coat of Filler Layer.</p> <p>Using a neoprene rubber squeegee, apply three (3) coats of Base Layer with minimum dilution for working only at site only if the coating is drying too fast.</p> <p>Using a neoprene rubber squeegee , apply two (2) coat of Top layer, with minimum dilution of water only if the coating is drying too rapidly .</p>
Line Marking	<p>Upon completion and acceptance of the tennis surface , this Contractor shall prepare and paint lines for sport court.</p> <p>All lines are to be applied with a paintbrush or roller.</p> <p>Paint lines by Top Layer line paint . Allow application to dry .</p> <p>Remove masking tape immediately after lines are dry .</p> <p>Protect adjacent areas and structures (fences, posts, sidewalks, building, etc), which are not to be coated. In the event that coatings are applied to above, remove immediately before drying is complete .</p>
Limitation	<p>Do not apply over moisture, in damp or wet concrete or rising dampness conditions. Do not thin with solvents.</p> <p>The application of Cemseal E100 SC (Type 2) is not possible at below 15°C and on frozen surface.</p>

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<b>For Further Information</b>	<b>Cemseal Industries Sdn Bhd (Company No. 884153-T)</b> No. 9 & 11, Jalan Besi, Taman Sri Putri, 81300 Skudai, Johor, West Malaysia. Tel : 607-558 3320, Fax : 607-556 9127, E-mail : info@cemseal.com.my
<b>First Aid</b>	In case of contact with eyes, skin or body wash immediately with clean fresh water or stand under shower and wash off. In case of inhaling of vapor or ingestion remove to fresh air and do not induce vomiting. <b>Obtain immediate medical treatment.</b>
<b>Statement of Responsibility</b>	The technical information and application advice given in this Cemseal publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature no assumption can be made as to a products suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user, is responsible for checking the suitability of products for their intended use.
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