

# Kemfloor CSL 40

Self-Leveling, Polymer Modified Cementitious Mortar

Description	<b>Kemfloor CSL 40</b> is a ready-mixed, pre-blended mix of Portland cement & special additives, high performance specially formulated, with high strength polymer modified cementitious mortar. <b>Kemfloor CSL 40</b> was developed to resurface, level, and repair indoor and outdoor surfaces prior to subsequent toppings.	
Where to use	<b>Kemfloor CSL 40</b> is for renovating existing commercial and residential structures to correct irregularities in uneven floors <b>Kemfloor CSL 40</b> is used in: <ul style="list-style-type: none"> <li>• Resurface precast or cast-in-place concrete</li> <li>• Remodeling work</li> <li>• It accepts practically any floor covering</li> <li>• perfect solution for garages and huge spaces for resinous floor finishes</li> </ul>	
Advantages	<b>Kemfloor CSL 40</b> provides the following advantages: <ul style="list-style-type: none"> <li>• Tested at the manufacturing plant and the job site to meet our stringent quality assurance requirements</li> <li>• Self-leveling thus eliminates troweling</li> <li>• Low Shrinkage not gypsum-based</li> <li>• Cuts labor costs</li> <li>• Low tension build-up and excellent final grip</li> <li>• Excellent adhesion to clean concrete</li> <li>• High strength</li> <li>• Self-curing</li> </ul>	
Properties		
Initial curing time	2 Hours	
Thickness	30 – 40 mm / Layer	
Working time	30 – 40 minutes at 20 °C	
Compressive Strength	32 – 35 N/mm <sup>2</sup> (28 days)	ASTM C579
Flexural Strength	10 – 12 N/mm <sup>2</sup>	ASTM C580
Bond Strength	≥ 1.5 N/mm <sup>2</sup>	ASTM C321
Linear Shrinkage	0.9%	ASTM C531
Specific gravity	2 ±0.2	
Surface Preparation	All floors must be cured and free of any waste, oil, moisture, dust, or paint particles Remove any liquid curing agents by sanding The substrate surface shall be broom clean and contaminate free Cracks should be filled with a crack filler or an elastomeric compound Plumbing or electrical penetration should be packed with insulation and sealed Saturate the concrete surfaces with clean water to maintain a saturated surface dry (SSD) prior the application of <b>Kemfloor CSL 40</b>	
Expansion Joints	<ul style="list-style-type: none"> <li>• Shall be installed in accordance with local building codes</li> <li>• Never bridge an expansion, contraction, or construction joint</li> </ul>	
Mixing	<ul style="list-style-type: none"> <li>• The Kemfloor CSL 40 should be mechanically mixed using a 650-rpm power mixer or manufacturer approved mixing/pumping equipment</li> <li>• Each 25 kg of Kemfloor CSL requires 4.5 - 5 L of clean water</li> </ul>	

Application	<ul style="list-style-type: none"> <li>• Pour <b>Kemfloor CSL 40</b> over wet concrete substrate</li> <li>• Work as needed with a long handle spreader for the mortar and a spiked roller for releasing trapped air</li> <li>• <b>Kemfloor CSL 40</b> is perfectly self-leveling during the first 15 minutes</li> </ul>
Curing	<b>Kemfloor CSL 40</b> is self-curing Do not apply curing compound or water curing and protect from rapid evaporation
Theoretical coverage	2 Kg/m <sup>2</sup> /1mm (thickness)
Packaging	25 Kg Sack
Shelf life & Storage	<b>Kemfloor CSL 40</b> has a shelf life of 12 months in recommended conditions
Precaution	<ul style="list-style-type: none"> <li>• Do not pour <b>Kemfloor CSL 40</b> where the floor temperature is less than 5 °C or greater than 30 °C</li> <li>• Protect the poured mortar from wind &amp; sun and from freezing temperatures for the first 72 hours</li> <li>• The concrete sub-floor must be structurally sound &amp; able to withstand live &amp; dead loads</li> <li>• <b>Kemfloor CSL 40</b> will not structurally bridge over expansion joints; saw cuts, or structurally cracks, they should be allowed to continue through the <b>Kemfloor CSL 40</b></li> </ul>
Health and Safety	<ul style="list-style-type: none"> <li>• Use goggles, gloves, and a breathing mask when applying</li> <li>• Apply forced ventilation in confined spaces</li> <li>• Remove splashes from skin with hand cleaner or soap and water</li> <li>• Eye splashes to be washed with plenty of water</li> <li>• If ingested seek medical advice</li> </ul>
Additional Information	<p><b>PROKEM</b> provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p><b>PROKEM</b> designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction</p> <p><b>PROKEM</b> reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale &amp; delivery</p> <p>Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request</p> <p><b>PROKEM</b> extends technical services to include after sales support to assist users in a proper handling of our product</p>