

# EPO-KEM PRODUCT DATA SHEET

## EPO-KEM SPORTSFLOOR PU/RS

Point Elastic Multipurpose Indoor/Outdoor Sportsfloor (revised 19-5-97)

<b>DESCRIPTION</b>	<p><b>EPO-KEM SPORTSFLOOR PU/RS</b> is a sports flooring system comprising of a shock absorbing rubber underlay and an elastomeric top wearing layer applied in varying textures. <b>EPO-KEM SPORTSFLOOR PU/RS</b> has a textured, seamless and even surface with a finish that can be from a slight "orange peel" texture through to a 2mm granulated topping. It is an elastic, shock absorbing and very tough floor surface. <b>EPO-KEM SPORTSFLOOR PU/RS</b> is commonly used as a multi-use floor surface in halls and outdoors where a variety of sports share the same space. Can conform to DIN 18032 part 2.</p>																															
<b>FEATURES</b>	<p>When applied and cured correctly, <b>EPO-KEM SPORTSFLOOR PU/RS</b> has the following features:</p> <ul style="list-style-type: none"> <li>• Seamless</li> <li>• Multi-functional, suitable for a wide range of sports and non-sports related activities</li> <li>• Comfortable, safe and quiet to walk on</li> <li>• Shock absorbing and resilient</li> <li>• Adjustable thickness to suit different uses</li> <li>• Insulating, both thermal and acoustic</li> <li>• Decorative, wide range of colours available (3 basic colours of red, green and blue)</li> <li>• Low glare</li> <li>• Tough and resistant to wear</li> <li>• Permanently resilient, elastic and flexible</li> <li>• Low maintenance</li> </ul>	 <p>UNDERLAY BEING INSTALLED</p>  <p>TOPLAYER BEING APPLIED</p>																														
<b>USES</b>	<p><b>EPO-KEM SPORTSFLOOR PU/RS</b> has been developed predominantly as a multi-functional "point elastic" sportsfloor specially suited for gymnastics and indoor ball games such as volleyball, badminton, tennis, basketball, netball, handball etc. In fact, wherever a facility is not dedicated to one predominant sport, <b>EPO-KEM SPORTSFLOOR PU/RS</b> is the ideal compromise.</p>																															
<b>FINISH</b>	<p>Satin, matt or gloss, smooth or textured. The surface finish of <b>EPO-KEM SPORTSFLOOR PU/RS</b> is adjustable to suit the clients' requirements. Final finish will depend on the selection of top coats. Available in any RAL colour although red, green and blue are standard colours and most commonly used for sports.</p>																															
<b>MAINTENANCE</b>	<p>Maintenance indoors is similar to a sheet vinyl floor, outdoors a low pressure water blaster is best. Instructions are available on request.</p>																															
<b>THICKNESS</b>	<p>8 – 25mm. Final selection will depend on the purpose of the floor. The rubber underlay is installed by mechanical paver to a minimum of 8mm thick. The top-layer is applied by squeegee and spray machine, the thickness is up to a maximum of 3mm.</p>																															
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**Supplier:**

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<b>BASES</b> (substructures)	<p><b>ASPHALT:</b> New asphalt must be cured for at least 14 days, in colder climates up to 28 days. The surface must have a flatness tolerance of no worse than 3mm under a 3m straight edge as measured in any direction. The asphalt must be well compacted, strong, smooth and be clean of all grease, oil, dirt and any foreign matter.</p> <p><b>CONCRETE:</b> Most important is the inclusion of a waterproof membrane to ensure no water or water vapour can enter the concrete structure. Concrete must be a minimum of 20MPa, a thickness of 100mm and be finished by steel trowel followed by a light brooming to promote good bonding. Flatness tolerance as for asphalt. Concrete bases must be cured for a minimum of 1 month before applying <b>EPO-KEM SPORTSFLOOR PU/RS</b>.</p> <p>This information is not intended to be exhaustive, but bases must be designed with these requirements included. Other design considerations are drainage, edge and joint detail. EPO-KEM document "<b>SPECIAL CONDITIONS FOR FLOOR SUBSTRUCTURES</b>" should also be consulted.</p>										
<b>INSTALLATION</b>	<p><b>SURFACE PREPARATION:</b> Check new base is constructed to minimum requirements as above. Base should be clean and free from contamination. Always carry out an adhesion test before proceeding with installation. Old concrete should be mechanically prepared by e.g. shotblasting or grinding to remove cement laitance and any contamination. Concrete bases require special care due to their slightly porous nature and tendency to cracking. Prime dry surface with <b>EPO-KEM SPORTSFLOOR PU/RS PRIMER</b> by roller or spray using 15 – 20kg for every 100m<sup>2</sup> of surface area.</p> <p><b>REPAIRS:</b> An expert must do any repairs needed on a concrete base. Filling of non-structural cracks and low areas of an asphalt base may be done with a fine asphalt mix (minimum thickness 10mm) or <b>EPO-KEM SPORTSFLOOR PU/RS FILLER</b> (less than 10mm). It may be necessary to enlarge cracks to ensure they can be sufficiently filled.</p> <p><b>APPLICATION:</b> <b>EPO-KEM SPORTSFLOOR PU/RS</b> must only be installed by a competent specialist sports surfacing contractor approved by EPO-KEM.</p>										
<b>DILUTION</b>	All materials must be used as they are supplied, no dilution is permitted.										
<b>COVERAGE</b>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"><b>EPO-KEM PU/RS Primer</b></td> <td>0.1 – 0.15 kg per m<sup>2</sup></td> </tr> <tr> <td><b>EPO-KEM PU/RS Underlay</b></td> <td>depends on selected thickness</td> </tr> <tr> <td><b>EPO-KEM SCRATCHCOAT RH/PU</b></td> <td>0.8 – 1.0 kg per m<sup>2</sup></td> </tr> <tr> <td><b>EPO-KEM COATING TT/S</b></td> <td>1.2 – 1.6 kg per m<sup>2</sup> (applied in 2 coats)</td> </tr> <tr> <td><b>EPO-KEM COATING PU/S (matt, satin or gloss)</b></td> <td>0.15 kg per m<sup>2</sup> (optional coating)</td> </tr> </table>	<b>EPO-KEM PU/RS Primer</b>	0.1 – 0.15 kg per m <sup>2</sup>	<b>EPO-KEM PU/RS Underlay</b>	depends on selected thickness	<b>EPO-KEM SCRATCHCOAT RH/PU</b>	0.8 – 1.0 kg per m <sup>2</sup>	<b>EPO-KEM COATING TT/S</b>	1.2 – 1.6 kg per m <sup>2</sup> (applied in 2 coats)	<b>EPO-KEM COATING PU/S (matt, satin or gloss)</b>	0.15 kg per m <sup>2</sup> (optional coating)
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<b>CURING</b>	Full cure will depend on the ambient temperature and relative humidity of the prevailing conditions. Light foot traffic may be allowed after 48 hours at 25°C. Full cure is obtained after 7 days. It is normally advisable to provide protection on a building site until the floor is ready to be handed over for use.										
<b>LINEMARKING</b>	Available in all colours required for sports linemarking. Special colours on request. Always apply at least two coats for opacity. Our recommended linepaint is a very fine particle size, low profile, low bleed, low glare, high opacity material suitable for spray or brush application.										
<b>SAFETY</b>	When mixing and applying any of the above-mentioned products, provide adequate ventilation. Users should avoid spillage's and contact with skin or eyes. An <b>MSDS</b> (material safety data sheet) is available for each component and should be consulted before use.										

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