



PRODUCT DATA SHEET

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FLUID-APPLIED FLOORING

Sikafloor® Duochem-5206

HIGH-SOLIDS AND WEAR-RESISTANT, CLEAR, SATIN FINISH EPOXY COATING FOR ANTI-SLIP FLOORS

Description	Sikafloor® Duochem-5206 is a very high solids, fine aggregate containing and wear-resistant epoxy resin coating. It can be used to provide improved slip resistance, additional colour stability and chemical protection to decorative, resin floor systems. Sikafloor® Duochem-5206 also produces a satin-look sealer which provides improved slip resistance, dustproofing and durability to concrete floors.
Where to Use	<ul style="list-style-type: none"> Use as a seal/top coat on decorative surfaces to maintain original appearance and aesthetics. Suitable for grocery and department stores, food packing rooms, factories, pharmaceutical laboratories and offices, hospitals, museums, galleries, banks and government buildings.
Advantages	<ul style="list-style-type: none"> Easy to apply, high-solids with low odour. Convenient 2:1 mixing ratio. Liquid applied, seamless surface sealer. Satin finish with improved slip-resistance. Wear-and chemical resistance. Does not support the growth of bacteria or fungus. CFIA acceptance. Low VOC content, LEED® Canada credit potential. Protects finishes and colours of adequate substrate. Easy to clean and maintain.

Technical Data

Packaging	11.34 L (3 US gal.) unit
Colour/Appearance	Clear/Textured, satin finish
Yield	10 - 12 m ² /L (400-500 ft ² /US gal.) at 3 mils d.f.t. per coat. One coat required on smooth surfaces.
Shelf Life	Actual coverage rates and material consumption will depend upon porosity and profile of substrates. Allowance must be also made for variation in film thickness or number of coats required to achieve complete coverage of surfaces. Test sections are recommended to establish correct coverage. 1 year in original unopened container. Store dry at 5 to 32 °C (41 to 89 °F). Protect from freezing. If frozen, discard.
Mix Ratio	A:B = 2:1 by volume
Properties at 23 °C (73 °F) and 50 % R.H.	
Solids Content	
By volume	Approx. 95 %
By weight	Approx. 96 %
Pot Life, 250 g (8.8 oz)	30 min
Drying Times	
Touch dry	6 - 8-hours
Over-coating	8 - 12 hours
Full cure	7 days
<i>Drying times will vary according to air and substrate temperature and humidity.</i>	
Static Coefficient of Friction ASTM C1028	
15.3 cm/minute	Dry: 0.79 in-lb Wet: 0.76 in-lb
VOC	35 g/L
<i>Product properties are typically averages, obtained under laboratory conditions. Reasonable variations can be expected on-site due to local factors, including environment, preparation, application, curing and test methods.</i>	

HOW TO USE

Surface Preparation	<p>General: Surfaces must be dry, clean, sound and frost free, with contaminants detrimental to bond removed.</p> <p>Coatings: Epoxy coatings must be allowed to cure for at least 8 - 12 hours before application of Sikafloor® Duochem-5206 sealer. Where epoxy base coats have exceeded their overcoating time, they must be sanded and wiped with a solvent-moistened rag prior to Sikafloor® Duochem-5206 application.</p>
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Mixing	<p>Pre-stir each component to ensure all solids are evenly distributed, with even clarity and consistencies achieved throughout each component.</p> <p>Where supply format permits, empty Component B into A or where containers do not permit such, empty material in the ratio of 2:1 by volume Component A: Component B (B added to A), into a suitably sized and clean mixing vessel and thoroughly mix for three (3) minutes using a low-speed drill (300 - 450 rpm) and <i>Exomixer</i>[®]-type mixing-paddle (recommended model). To minimize entrapping air, ensure mixing paddle is kept in the material. During the mixing operation, scrape down the sides and bottom of the pail with a flat or straight-edge trowel at least once to ensure thorough mixing. Sikafloor[®] Duochem-5206 should be uniform in clarity and consistency before use.</p> <p>Mix only the quantity you can use within its pot life.</p> <p>Note: Periodically stir the mixed resin to maintain suspension of all solids. This is particularly important when having mixed a large volume or taking breaks in application.</p>
Application	<p>Sikafloor[®] Duochem-5206 may be applied using a high quality, short nap roller (lint-free), a natural bristled brush, non-marking squeegee or flexible steel trowel followed by backrolling.</p> <p>Apply the mixed resin in a uniform, thin film avoiding ponding or puddling as thick areas will appear as isolated patches of smooth texture with high gloss.</p> <p>Waiting time between coats will be approx 8 - 12 hours dependent upon temperatures.</p> <p>Note: Sika Canada strongly recommends that where Sikafloor[®] Duochem-5206 is being used as a top coat for existing resin systems, a test area be applied to confirm top coat selection, application rates required to produce the desired finish.</p>
Clean Up	<p>Clean all tools and equipment immediately with Sika[®] Duochem-201 cleaning solvent. Wash soiled hands and skin thoroughly in hot, soapy water or use Sika[®] Hand Cleaner towels. Once hardened, the product can only be cleaned mechanically</p>
Limitations	<ul style="list-style-type: none"> ▪ For interior use only; not suitable for exterior and exterior slab-on-grade. applications. ▪ Minimum substrate temperature should be 13 °C (61 °F) prior to application. ▪ Substrate temperature must be at least 3 °C (5.5 °F) above measured dew point prior to application. ▪ Minimum age of concrete must be 28 days depending on curing and drying conditions. ▪ Do not encapsulate saturated concrete in areas where freezing and thawing are possible. ▪ Do not apply to porous surfaces where moisture-vapour can condense and freeze or transmission will occur during the application (Consult Sika Canada). ▪ Coating is a vapour-barrier after cure. ▪ Do not use in areas where humidity is over 85 %. ▪ Do not apply at thicknesses in excess of those recommended as this may result in variation of aesthetics after cure. ▪ May be incompatible with certain existing decorative finishes. Compatibility and adhesion testing is essential where sealing coated surfaces. Please consult with Sika Canada Technical Services for guidance before specifying or application. ▪ Do not hand mix Sikafloor[®] materials; mechanical mix only ▪ Protect from dampness, condensation and water contact during the initial 24 hour cure.
Health and Safety Information	<p>For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent SAFETY DATA SHEET containing physical, ecological, toxicological and other safety-related data.</p>

KEEP OUT OF REACH OF CHILDREN
FOR INDUSTRIAL USE ONLY

The Information, and in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions, within their shelflife. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any recommendations, or from any other advice offered. The information contained herein does not relieve the user of the products from testing them for the intended application and purpose. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. 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 or may be downloaded from our website at: www.sika.ca

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