



**PRODUCT DATA SHEET**

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FLUID-APPLIED FLOORING

# Sikafloor® Duochem LM

## EPOXY-BASED AND HIGH-SOLIDS PAINT FOR SAFETY LINE MARKING

<b>Description</b>	Sikafloor® Duochem LM is a two-component, solid colour, high solids, finely textured and satin finish epoxy paint. It is specifically formulated to paint safety traffic lines in bright colours.
<b>Where to Use</b>	<ul style="list-style-type: none"> <li>▪ Suitable to create safety lines commonly found in industrial facilities, commercial buildings, warehouse premises and other similar interior applications.</li> <li>▪ To delineate walkways, drive lanes, work stations, storage areas, caution or hazardous areas.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>▪ High solids content, low VOC, low odour.</li> <li>▪ General service, broad spectrum chemical resistance.</li> <li>▪ Durable wear resistant properties; good mechanical and abrasion resistance.</li> <li>▪ Easy to apply and maintain, opaque lines in two coats.</li> <li>▪ High build, thixotropic formulation to prevent bleeding under tape lines.</li> <li>▪ Meets CFIA and USDA requirements for use in food plants.</li> </ul>

**Technical Data**

<b>Packaging</b>	3.78 L (1 US gal) and 18.9 L (5 US gal) units
<b>Colour &amp; Appearance</b>	Safety Yellow / Satin finish - finely textured Special colours available on request.
<b>Yield</b>	7.1 m <sup>2</sup> /L (290 ft <sup>2</sup> /US gal.) per coat (5.5 mil w.f.t./5 mil d.f.t.) (Min. two (2) coats) 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 opacity with light (i.e. white) or bright colours (i.e. reds and yellows) on dark substrates. Test sections are recommended to establish correct coverage.
<b>Shelf Life</b>	2 years in original unopened packaging. Store dry between 5 to 32 °C (41 to 89 °F). Condition at 18 to 30 °C (65 to 86 °F) before using.
<b>Mix Ratio</b>	A: B = 4:1 by volume
<b>Properties at 23 °C (73 °F) and 50 % R.H.</b>	
<b>Solids Content</b>	93 % by volume 96 % by weight
<b>Pot Life 250 g (8.8 oz)</b>	45 minutes
<b>Waiting Time Between Coats</b>	4 hours min/18 hours max.
<b>Curing Time</b>	
Tack free	6 hours
Full cure / Chem. exp.	7 days
<b>VOC</b>	61 g/L

*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.*

**HOW TO USE**

**Surface Preparation**

**Concrete (New and Existing)**

The concrete surface must be clean and sound. Remove any dust, laitance, grease, oil, dirt, curing agents, impregnations, wax, foreign matter, coatings and detritus from the surface by appropriate mechanical means, in order to achieve a profile equivalent to ICRI-CSP 2-3 for floors. The compressive strength of the concrete substrate should be at least 25 MPa (3625 psi) at 28 days and at least 1.5 MPa (218 psi) in tension at the time of application of Sikafloor® Duochem LM.

**Existing Epoxy Coatings**

Abrade surface to remove gloss, vacuum to remove dust and wipe clean with a cloth dampened with Sika® Urethane Thinner and Cleaner.

**Steel Substrates**

Clean, prepare and prime metal surfaces using Sikagard® Cor-Pro-470 following the printed application instruction on the product data sheet.

<b>Mixing</b>	Pre-mix each component separately. Empty component B in the correct mix ratio to component A. Mix the combined components for at least three (3) minutes, using a low-speed drill (300 - 450 rpm) to minimize entrapping air. Use an <i>Exomixer</i> <sup>®</sup> type mixing paddle (recommended model) suited to the volume of the mixing container. During the mixing operation, scrape down the sides and bottom of the container with a flat or straight edge trowel at least once, to ensure complete mixing. When completely mixed, Sikafloor <sup>®</sup> Duochem LM should be uniform in colour and consistency. <b>Mix only that quantity which can be used within its pot life.</b>
<b>Application</b>	Sikafloor <sup>®</sup> Duochem LM can be applied by brush, roller or spray equipment, whichever is the most suitable to the surfaces to be painted or site conditions and limitations. For spray application, contact spray equipment specialists to determine suitable equipment and for application advice (thinning maybe required) contact Sika Canada. If time between coats exceeds 18 hours at 22 °C (71 °F), abrade surface to remove gloss, vacuum to remove dust and wipe clean with a cloth dampened with Sika <sup>®</sup> Duochem-205 cleaning solvent.
<b>Clean Up</b>	Collect and contain spills with absorbent product. Discard in accordance with applicable regulations. Once hardened, product can only be removed mechanically. Clean tools and brushes with Sika <sup>®</sup> Epoxy Cleaner. Wash soiled hands and skin thoroughly in hot soapy water or use Sika <sup>®</sup> Hand Cleaner towels.
<b>Limitations</b>	<ul style="list-style-type: none"> <li>▪ Substrate temperature must be at least 3 °C (5.5 °F) above the measured dew point.</li> <li>▪ Maximum relative humidity during application and cure: 85 %.</li> <li>▪ Minimum substrate and air temperature; 10 °C (50 °F) 24 hours before, during and after paint application.</li> <li>▪ Apply product to dry, clean, properly cured and prepared surfaces in areas where dust is no longer generated by construction activities such that airborne particles will not reduce bond of paint.</li> <li>▪ When line-marking existing paints, compatibility and adhesion testing is recommended and existing paint must be acknowledged as determining the adhesion and performance of all subsequently applied materials.</li> <li>▪ Do not hand mix Sikafloor<sup>®</sup> materials; mechanical mix only.</li> <li>▪ Protect from dampness, condensation and water contact during the initial 24 hour cure period.</li> </ul>
<b>Health and Safety Information</b>	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.

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](http://www.sika.ca)

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