BUILDING TRUST CONSTRUIRE LA CONFIANCE



Edition 03.2020/v1 CSC Master Format™ 09 62 00 SPECIALTY FLOORING



Sikafloor[®] Comfort Adhesive

HIGH QUALITY, SOLVENT- AND VOC-FREE, POLYURETHANE ADHESIVE FOR SOUND INSULATING PAD UNDERLAYMENTS IN Sika ComfortFloor® SYSTEMS

Where to Use Suitable for interior use in public and commercial buildings including:	Description	Sikafloor® Comfort Adhesive is a two-component, high solids and VOC-free polyurethane adhesive used to permanently adhere prefabricated granular rubber pads to concrete and cementitious screed surfaces. It is particularly suitable to adhere Sikafloor® Comfort Regupol-6015H mats to floor surfaces prior to the application of Sika ComfortFloor® Pro and Sika ComfortFloor® Decorative Pro systems. Suitable for interior use in public and commercial buildings including: Healthcare facilities; hospitals, nursing stations, clinics, residential homes Educational premises; pre-schools, schools, colleges, universities Retail spaces; stores, superstores, showrooms Research areas; laboratories, corridors Leisure premises; museums, art galleries, theatres Business facilities; lobbies, passage-ways, offices VOC-free Solvent-free Easy to apply High bond characteristics Non shrinking after cure Non flammable Permanently secures sound reduction mats beneath Sika ComfortFloor® systems				
Advantages • VOC-free • Solvent-free • Easy to apply • High bond characteristics • Non shrinking after cure • Non flammable • Permanently secures sound reduction mats beneath Sika ComfortFloor® systems Technical Data Packaging Packaging 20 kg (44 lb) ready to mix kits Part A: 17 kg (37.4 lb), Part B: 3 kg (6.6 lb) Colour Belge Yield ~ 0.45 - 0.30 kg/m² (0.09 - 0.18 lb/ft³) Sheft Life 12 months in original, unopened containers when stored in dry and cool conditions (10 - 30 °C (50 - 86 °F]). Pot Life Time * 60 minutes 10 °C (50 °F) ~ 43 minutes 20 °C (68 °F) Properties (Resin) at 23 °C (73 °F) and 50 % R.H. Pensity Density Mixed Resin: 1.49 kg/L (1.24.2 lb/US gal.) Tensite Strength DIN 53504 14 days ~ 93 Elongation at Break DIN 53505 14 days ~ 93 Elongation at Break DIN 53505 14 days ~ 50 % VOC Content 0 g/L Chemical Resistance Consult Sika Canada Product properties or typically ownrages, obtained under laboratory conditions. Resenable variations can be expected on-site due to local factors, including environment, precavation, explication, cur	Where to Use					
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	Surface Preparation	All surfaces must be clean,	sound and dry befo	re proceeding with the installation of the Sikafloor [®] system.		

Where applying onto concrete or similar substrates, remove all dirt and dust, laitance, grease, oil, asphalt, tar, bituminous materials, grease, curing agents, impregnations, wax, foreign matter, impregnations, coatings or sealers and detritus from the surface by appropriate mechanical means, such as abrasive blast cleaning or pressure jetting in order to achieve a contaminant free profile equivalent to ICRI / CSP 3.

	Whenever abrasive blast cleaning is used, be careful to leave concrete with a uniform texture. Over blasting will result in increased consumption/reduced coverage rates of the adhesive.					
	All projections, rough spots etc must be ground off and the surface suitable level before proceeding. Rough surfaces need to be leveled prior to application of a self leveling/smoothing topping. Contact Sika Canada for project specific recommendations.					
	Following surface preparation remove all preparation residue, including dirt and loose friable material, preferably by industrial wet/dry vacuum (sweeping can result in making dust airborne to settle on the floor surface at a later juncture). This will help to ensure a tenacious bond between the primer and substrate					
	The compressive strength of the concrete substrate should be at least 24 MPa (3500 psi) at 28 days and at least 1.7 MPa (250 psi) in tension following preparation of the substrate at the time of application of Sikafloor [®] Comfort Adhesive.					
Mixing	Pre-stir each component using a low speed drill (300 - 400 rpm) and <i>Jiffy</i> type paddle until uniform in colour and consistency. Prolonged vibration and higher ambient temperatures during transportation can result in settling of the resin component. In the case of Part A, this requires mechanical mixing for a period of at least two (2) minutes to ensure that all solids are dispersed and evenly distributed.					
	Empty Part B into Part A and thoroughly mix for two (2) minutes using a low-speed drill (300 - 400 rpm) and <i>Jiffy</i> or <i>Exomixer®</i> type paddle.					
	Note: Mix only full units and that quantity you can use within its pot life. While mixing, keep the mixing paddle within the resin and below the surface in order to minimize air entrapment. 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. Over mixing must be avoided to minimize air entrainment.					
	Upon completion of mixing,	Sikafloor [®] Comfort Adhesive s	hould be uniform in colour and consistency.			
Application	Apply Sikafloor [®] Comfort Adhesive by pouring out the mixed material as quickly as possible within the pot life and then spreading immediately with a notched trowel. Trowel only 75 mm (3 in) wider than the width of the Sikafloor [®] Comfort Regupol underlayment to be bonded. Apply the Sikafloor [®] Comfort Regupol underlayment into the wet adhesive and ensure complete contact using a (55 kg [120 lb]) linoleum roller while the adhesive is still tacky.					
	The 'tack phase' during which the Sikafloor [®] Regupol underlayment must be applied into the Sikafloor [®] Comfort Adhesive will be influenced by temperature, but the adhesive must be wet, for example:					
	Substrate Temperature	Minimum	Maximum			
	10 °C (50 °F)	~ 3 hours	~ 6 hours			
	20 °C (68 °F)	~ 1 1/2 hours	~ 3 hours			
	30 °C (86 °F)	~ 1 hour	~ 1 1/2 hours			
	Note: Times are approximate humidity.	and will be affected by chang	ing ambient conditions particularly temperature and rela	ative		
Clean Up	Clean all tools and application equipment with Sika [®] Urethane Thinner and Cleaner immediately after use. Once hardened, product can only be removed mechanically.					
Limitations	 Sika ComfortFloor[®] System and recommendations. 	s are best installed by skilled	and experienced applicators. Consult Sika Canada for ad	vice		
	 Prior to application, measure and confirm the following: substrate moisture content, ambient relative humidity, ambient and surface temperature and dew point. During installation, confirm and record above values at least once every three (3) hours, or more frequently whenever conditions change (e.g. ambient temperature rise/fall, relative humidity increase/decrease, etc.). 					
	 Beware of condensation! The substrate must be at least 3 °C (5 °F) above the dew point to reduce the risk of condensation, which may lead to adhesion failure or "blushing" on the floor finish. Be aware that the substrate temperature may be lower than the ambient temperature. 					
	condensation, which may temperature may be lower	lead to adhesion failure or " than the ambient temperatu	for above the dew point to reduce the ris "blushing" on the floor finish. Be aware that the subst re.	k of rate		
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Sikafloor[®] Comfort Adhesive CSC Master Format[™] 09 62 00 SPECIALTY FLOORING

BUILDING TRUST CONSTRUIRE LA CONFIANCE



- Do not apply Sikafloor® products to concrete substrate containing aggregates susceptible to ASR (Alkali Silica Reaction) due to risk of natural alkali redistribution below the Sikafloor® product after application. If concrete substrate has or is suspected to have ASR (Alkali Silica Reaction) present, do not proceed. Consult with design professional prior to use
- Minimum/Maximum ambient and substrate temperatures: 10 °C / 30 °C (50 °F /85 °F).
- Material temperature: Precondition material for at least 24 hours at temperatures between 18 and 24 °C (65 and 75 °F).
- Mixing and application attempted at material, ambient and/or substrate temperature conditions less than 18°C (65°F) will result in a decrease in product workability and slower cure rates.
- Do not hand mix Sikafloor[®] materials. Mechanical mixing only.
- Product must not be thinned/diluted as this will effect the critical time for installation of the underlayment, the cure and reduce the ultimate properties of the adhesive.
- Mechanical, chemical & physical properties will be fully achieved at full cure.
- This product is not designed for negative side waterproofing.
- Typically not recommended for exterior slabs on grade where freeze/thaw conditions may exist.
- Do not apply on substrates with a slope exceeding 1 %.

Health and Safety 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

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Information

Other locations Toronto Edmonton Vancouver

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Certified ISO 9001 (CERT-0102780) Certified ISO 14001 (CERT-0102791)

