

SYSTEM DATA SHEET

Sikafloor® MultiDur ET-14

High build 100% solids textured-non slip epoxy coating system

DESCRIPTION

Sikafloor® MultiDur ET-14 is pigmented durable, high build, textured epoxy floor coating system. It also provides unique non blooming/whitening properties when exposed to moisture early in curing and/or in lower cure environments. Sikafloor® MultiDur ET-14 can also be used vertically on coves and walls.

USES

Sikafloor® MultiDur ET-14 may only be used by experienced professionals.

- Automotive workshops
- Education - Trade work areas.
- Stadiums
- Correctional facilities
- Amenities and change-rooms
- Manufacturing, Packing and processing, light to medium duty
- Car parks - intermediate and lower decks

CHARACTERISTICS / ADVANTAGES

- Light to medium mechanical resistance
- Medium chemical resistance
- Increased slip resistance
- Non blooming/whitening
- Texture varied to suit application
- Easy cleanability

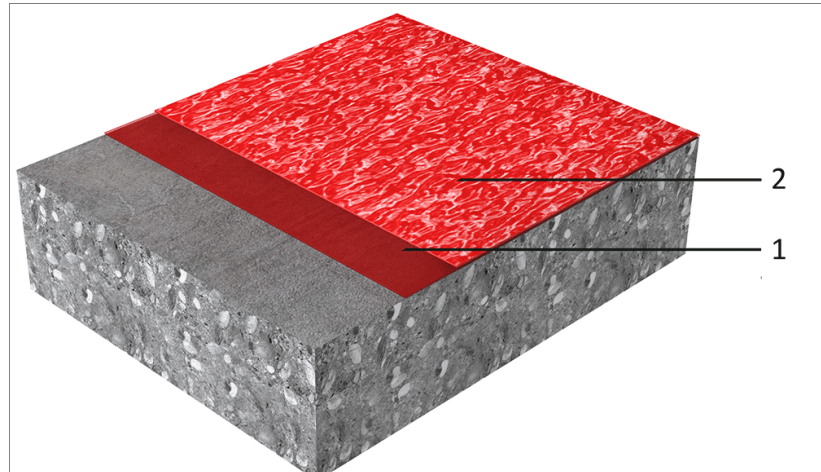
APPROVALS / CERTIFICATES

- Textures - Conforms to AS 4586-2013 P Ratings
- VOC - Australian Standards ASTM D3960 Gren Star Building Council V2 IEQ-13 V1 IEQ-11
- Cleanability "Excellent" (VDMA "Riboflavin test for low germ or sterile process technologies" tested).
- Slip resistance class R9 in accordance with DIN 51130 and BGR 181.
- Conforms to the requirements of EN 13813 and EN 1504-2
- Fire Classification Australia - Critical Radiant Flux - Pass AS/ISO 9239.1 AP VS0209 appendix B
- Fire classification in accordance with EN 13501-1, Report-No. KB-Hoch-170419, Hoch Fladungen, Germany, March 2017

SYSTEM INFORMATION

System structure

Sikafloor® MultiDur ET-14



1. Primer (Optional)	Sikafloor®-161/-160
2. Wearing Coats	1 x Sikafloor®-264 1 x Sikafloor® -264T AU

Note: Addition of 60 or 80 mesh aluminium oxide incorporated into the final coat at 5-6%vol will produce additional texture
The addition of primer is subject to total film thickness and substrate conditions.

Composition	Epoxy
Appearance	Textured, low sheen to semi gloss finish
Colour	Available in colours from the RAL range on request. Standard colours: Light Grey 7035, Pebble Grey 7032, Koala Grey N45, Window Grey 7040, Dusty Grey 7037, Oxide Red 3009, Sky Blue 5015, Dahlia Yellow 1033.
Nominal thickness	~ 0.5mm to 0.7mm

TECHNICAL INFORMATION

Shore D Hardness	~76 (7 days / +23 °C)	(DIN 53 505)
Compressive strength	Resin : ~60 N/mm ² (28 days / +23 °C)	(EN 196-1)
Tensile adhesion strength	> 1.5 N/mm ² (failure in concrete)	(ISO 4624)
Reaction to fire	Critical radiant flux - Pass	AS/ISO 9239.1 AP VS0209 Appendix B
Chemical resistance	Resistant to many chemicals. Please ask for a detailed chemical resistance table.	
Skid / slip resistance	P1 to P4 (depending on texture approach)	AS 4586 -2013

APPLICATION INFORMATION

Consumption	Sikafloor® MultiDur ET-14 system (~ 0.5-0.7 mm)			
	Coating System	Product	Consumption	
	Primer (optional)	1 x Sikafloor®-161/-160	~ 0.25-0.35 kg/m ² (4-6m ² /litre)	
	1st Coat	1x Sikafloor®-264/-264T AU	~ 0.25-0.35 kg/m ² (4-6m ² /litre)	
Top Coat	1 x Sikafloor 264/-264T AU	~ 0.20-0.30 kg/m ² (5-7m ² /litre)		
Material temperature	Please refer to the individual Product Data Sheet			
Ambient air temperature	+10 °C min. / +30 °C max.			
Relative air humidity	80 % r.h. max.			
Substrate temperature	+10 °C min. / +30 °C max.			
Substrate moisture content	<p>When performing application work with Sikafloor® MultiDur ET-14, the substrate moisture content must not exceed 4 % pbw measured by Tramex.</p> <p>Test method: Sika®-Tramex meter, CM - measurement or Oven-dry-method.</p> <p>No rising moisture according to ASTM (Polyethylene-sheet).</p> <p>Use Sikafloor 161 Primer for moisture to 6%pbw.</p> <p>For >6%pbw use EpoCem 81.</p>			
Waiting time to overcoating	Before applying Sikafloor®-264 and 264T AU on Sikafloor® 161/-160 allow:			
	Substrate temperature	Minimum	Maximum	
	+10 °C	24 hours	3 days	
	+20 °C	12 hours	2 days	
+30 °C	8 hours	1 day		
	Note: For faster intercoat times use Sikafloor Booster - Refer to Sika Technical Dept. for direction.			
Applied product ready for use	Temperature	Foot traffic	Light traffic	Full cure
	+10 °C	~ 72 hours	~ 6 days	~ 10 days
	+20 °C	~ 24 hours	~ 4 days	~ 7 days
	+30 °C	~ 18 hours	~ 2 days	~ 5 days

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

FURTHER INFORMATION

Please refer to :

- Sika® Method Statement Mixing & Applications of Flooring systems
- Sika® Method Statement Evaluation and Preparation of Surfaces for Flooring systems

IMPORTANT CONSIDERATIONS

- Do not apply Sikafloor® MultiDur ET-14 on substrates with rising moisture.
- Freshly applied Sikafloor® MultiDur ET-14 must be protected from damp, condensation and water for

approx.12 hours.

- The incorrect assessment and treatment of cracks may lead to a reduced service life and reflective cracking.
- For exact colour matching, ensure the Sikafloor®-264 T AU final coat in each area is applied from the same control batch numbers.
- Apply evenly with correct rolling equipment and processes.
- Observe pot life constraints and use the product in a well timed, even manner.
- Do not add solvent to any components of Sikafloor® MultiDur ET-14. Film build, chemical resistance and colour uniformity can be compromised.
- Under certain conditions, underfloor heating or high ambient temperatures combined with high point loading, may lead to imprints in the resin.
- If heating is required do not use gas, oil, paraffin or other fossil fuel heaters, these produce large quantities of both CO₂ and H₂O water vapour, which may adversely affect the finish. For heating use only electric

powered warm air blower systems.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

SUBSTRATE QUALITY

Substrate strength to produce a bond pull value of >1.5Mpa.

SUBSTRATE PREPARATION

Substrate should be prepared to CSP2 - approx 0.5mm in profile.

Any imperfections greater than this should be filled using Sikafloor 160 or 161 with fillers.

APPLICATION

Application of finish coat Sikafloor 264T AU should be by roller or Squeegee and back roll process. Ensure an even application by using correct roller equipment and rolling techniques. Observe pot life of mixes applied at the site as well joining wet edges with the appropriate timing.

Failure to do any of the above will produce uneven texture and or colour.

Refer to Sika Technical Dept. for direction

MAINTENANCE

CLEANING

Please refer to the Method Statement Sikafloor®-Cleaning Regime

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

LEGAL NOTES

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 in accordance with Sika's recommendations. 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 written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. 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.

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