

PRODUCT DATA SHEET

Sikafloor®-150 Epoxy Patching Paste

Epoxy Patching Paste

PRODUCT DESCRIPTION

Sikafloor®-150 Epoxy Patching Paste is a two component, high solids, high modulus, high strength, epoxy patching gel. When mixed, it gives a smooth, non-abrasive, paste adhesive.

USES

Fill static cracks, holes and divots

CHARACTERISTICS / ADVANTAGES

- High Solids
- Low Odor
- High-modulus, high-strength, patching paste
- Excellent adhesion to masonry, concrete, wood, steel, and most structural materials.
- Paste consistency ideal for vertical and overhead applications.
- Easy to mix
- Low Odor

PRODUCT INFORMATION

Packaging	Component A:	1 US gal (3.78L)
	Component B:	1 US gal (3.78L)
	Component A+B:	2 US gal Kit
Appearance / Color	Gray	
Shelf Life	24 Months in original, unopened container.	
Storage Conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between 40 to 95 °F(4 to 35 °C).	
Volatile organic compound (VOC) content	13 g/l	A+B Combined

TECHNICAL INFORMATION

Compressive Strength

Properties	Time	40°F (5°C)	73°F (23°C)	90°F (32°C)
ASTM D695	2 hours	4,400 Psi (30.3 MPa)	7,700 Psi (53.1 MPa)	--
"	4 hours	9,300 Psi (64.1 MPa)	10,900 Psi (75.1 MPa)	--
"	1 day	--	12,000 Psi (82.7 MPa)	11,500 Psi (79.3 MPa)
"	3 days	--	12,900 Psi (82.7 MPa)	11,500 Psi (79.3 MPa)

Tensile Adhesion Strength

>400 psi (2.4 MPa) - Concrete Failure

ASTM D4541
at 73°F (23°C) and 50% R.H

APPLICATION INFORMATION

Mixing Ratio

1:1 by volume Smooth, non-sag paste

Pot Life

Material
Temperature

+73°F (23°C)

Time

~ 5 -10 minutes

Cure Time

Substrate
Temperatur

90° F (32° C)

75° F (23° C)

60° F (15° C)

40° F (4° C)

Gel Time

5 minutes

10 minutes

15 minutes

35 minutes

Full cure

4 hours

4 hours

12 hours

24 hours

APPLICATION INSTRUCTIONS

SURFACE PREPARATION

Surface must be clean, sound and dry. Remove dust, laitance, grease, curing compounds, bond inhibiting impregnations, waxes and any other contaminants. All projections, rough spots, etc. should be removed to achieve a level surface prior to the application.

Concrete should be cleaned and prepared to achieve a laitance-free and contaminant-free, open textured surface by shot blasting or equivalent mechanical means (CSP-3 to CSP-4 as per ICRI guidelines).

Sweep and vacuum any remaining dirt and dust with a wet/dry vacuum. Removing residual dust will help ensure a tenacious bond between the primer/ coating and the substrate.

Whenever "shot-blasting" is utilized, be careful to leave concrete with a uniform texture. "Over-blasting" will result in reduced coverage rates of the primer and/or subsequent topcoats.

The "shotblast" pattern may show through the last coat, known as "tracking". The compressive strength of the concrete substrate should be at least 3626 psi (25 MPa) with a minimum pull off strength of 218 psi (1.5 MPa) in tension at the time of application. For other substrates, please contact Sikafloor Technical Services.

MIXING

Mixing Ratio: 1:1 by volume.

Pre-mix each component, proportion equal parts by volume of Component 'B' and Component 'A' into a clean pail. Mix thoroughly for 3 minutes with a jiffy mixing blade on low-speed (400-600 rpm) drill until uniform in color. Mix only that quantity that can be used within its pot life.

APPLICATION

Apply with spackle knife and feather edge.

LIMITATIONS

Prior to application, measure and confirm Substrate Moisture Content, Ambient Relative Humidity, Ambient and Surface Temperature and Dew Point. During installation, confirm and record above values at least once (1) every three (3) hours, or more frequently whenever conditions change (e.g. Ambient Temperature rise/fall, Relative Humidity increase/decrease, etc.).

Moisture content of concrete: Do not apply to concrete substrate with moisture levels > 4% mass (pbw – part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter. If moisture content of concrete substrate exceeds >4 % by mass (pbw – part by weight) as measured with Tramex® CME/CMExpert type concrete moisture meter, use Sikafloor®-1610 or Sikafloor®-22 NA PurCem® or Sikafloor®-24 NA PurCem®.

ASTM F2170 testing is not a substitute for measuring substrate moisture content.

Use a Tramex® CME/CMExpert type concrete moisture meter as described above.

Material temperature: Precondition material for at least 24 hours between 18 to 24 °C (65 to 75 °F).

Ambient temperature: Minimum/Maximum 50°/85°F (10°/30°C)

Substrate temperature: Minimum/Maximum 50°/85°F (10°/30°C). Substrate temperature must be at least 5°F (3°C) above measured Dew Point.

Mixing and Application must adhere to Material, Ambient and Substrate temperatures listed above or a decrease in product workability and slower cure rates will occur.

Relative Ambient Humidity:

Minimum ambient humidity 30%

Maximum ambient humidity 75% (during application and curing)

Note: Low Relative Ambient Humidity may result in slower cure.

Dew Point: Beware of condensation! The substrate must be at least 5°F (3°C) 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.

Mixing: Do not hand mix Sikafloor materials. Mechanically mix only.

Do not thin this product. Addition of thinners (e.g. water, solvent, etc.) will slow cure and reduce ultimate properties of this product. Use of thinners will void any applicable Sika warranty.

Application:

- Do not apply Sikafloor to concrete substrate containing aggregates susceptible to ASR (Alkali Silica Reaction) due to the 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.
- Any aggregate used with Sikafloor systems must be non-reactive and oven-dried.
- This product is not designed for negative side waterproofing.
- Use of unvented heaters and certain heat sources may result in defects (e.g. blushing, whitening, debonding, etc.).
- Beware of air flow and changes in air flow. Introduction of dust, debris, and particles, etc. may result in surface imperfections and other defects.
- For professional use only by experienced applicators.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

OTHER RESTRICTIONS

See Legal Disclaimer.

ENVIRONMENTAL, HEALTH AND SAFETY

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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Product Data Sheet
Sikafloor®-150 Epoxy Patching Paste
July 2020, Version 01.02
020811020020000087

Sikafloor-150EpoxyPatchingPaste-en-US-(07-2020)-1-2.pdf

