

Chemical resistance for Sikafloor resin based and PU modified cementitious products

The following tables contain the results of the chemical resistance tests in accordance with the German Institute of Building Technology, DIBt, Berlin, for protective coatings (water protection) and DIN EN 13529 (95/1999).

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1 Objective

The test results are used to determine the resistance of coatings and coating systems against liquid chemicals.

2 Description

The different coatings and coating systems are tested against volatile and non-volatile chemicals. The test is carried out by contaminating the specimen from one side with test chemicals.

The test specimen is evaluated after 1,3,7 and 42 days (42 days with one day re-drying before inspection) through visual inspection and the determination of hardness (Shore hardness or Buchholtz indentation test). This test can lead to various results, such as swelling, discolouration, decrease in hardness or delamination (see classification A, B, C, D below).



3 User guide

Find the desired chemical in the alphabetical index, part I of the chemical resistance table. Determine the applicable test group from the column next to it.

In part II you will find your relevant Sikafloor[®], Sikagard[®] or Sikalastic[®] product, which has been tested against the different test groups regarding their resistance at 20°C after 1, 3, 7 and 42 days.

The classification is as follows:

A = Resistant	The coating / coating system is resistant, meaning stable and unchanged for the stated time limit. A slight decrease in hardness does not affect the mechanical performance.
B = Limited resistant	The coating / coating system offers limited resistance only. One can expect swelling and consequent moderate loss of hardness. In case of heavier mechanical wear during exposure to chemicals the coating / coating system may be damaged. Where it comes to chemical exposure only, the initial resistance will be obtained again once the area is cleaned, although slight swelling might remain visible.
C = Not resistant	The coating / coating system is not resistant; a softening occurs followed by the destruction of the coating and/or forming of bubbles.
D = Discolouration a/o loss of gloss	Under the effect of chemicals the coating / coating system discolours and loses its gloss. This is irreversible.

Please note:

The judgement for the classification above is based on the assumption that the Sikafloor[®] product is used as an industrial floor which will remain after the contact with the chemicals.

A protective function of the coating e.g. according regulations for groundwater protection can be maintained also longer.

In case of further questions or in case of a chemical not stated in the table, please contact your responsible Sika office.



Chemicals	Test group	Chemicals	Test group	Chemicals	Test group
Acetaldehyde	8a	Aniline	13	Chlorobenzene	6b
Acetic acid (< 10%)*	9	Anthracene oils	4	Chloroethanol	6
Acetic acid (> 10%)*	9a	Anti-freeze (containing glycol)	5	Chlorophenol	6b
Acetic anhydride	9a	Aqueous ammonia (20%)*	13	Chloropropionic acid (10%)*	9a
Acetone	add. testing	Bariumchloride (20%)*	12	Chromic acid (50%)*	add. testing
Acetone in water (10%)	7	Bariumhydroxide (5%)*	11	Citric acid (10%)*	9
Acrylate	7	Bariumsulfide (20%)*	12	Citric acid (30%)*	9a
Acrylic acid (> 10%)*	9a	Battery acid	see sulphuric acid	Citric acid saturated (42%)*	9a
Acrylic acid (10%)*	9	Benzene	4a	Cobaltchloride (20%)*	12
Acrylic-alkylsulfonate	9a	Benzenesulfonic acid (10%)*	9	Cobaltnitrate (20%)*	12
Adipinic acid (> 10%)*	9a	Benzoic acid (10%)*	9	Cobaltsulfate (20%)*	12
Adipinic acid (10%)*	9	Benzylacetate	7a	Cod-liver oil	7b
Alkansulfonate (10%)*	14	Benzylchloride	6a	Cooking oil	7b
Alkylbenzyltrimethyl- ammoniumchloride	13	Boraxes (20%)*	11	Copper(II)-chloride (20%)*	12
Alkylsulfonate (20%)*	14	Boric acid (10%)*	10	Copper(II)-sulfate (20%)*	12
Aluminiumchloride (20%)*	10	Break fluids	5	Copperacetate (20%)*	12
Aluminiumsulfate (20%)*	10	Butanol	5	Cresol	4a
Amine	13	2-Butoxyethanol	5	Crude oil	4b
Ammonia (conc.) (35%)*	13	Butyldiglycol	5	Cyclohexane	4
Ammonia solution (20%)*	13	Butylglycol	5	Cyclohexanone	7
Ammoniumacetate (20%)*	12	Butyric acid (10%)*	9	Cyclopentane	4
Ammoniumbromide (20%)*	10	Cadmiumchloride (20%)*	12	Desavin (Di[phenoxyethyl]formal)	7
Ammoniumcarbonate (20%)*	11	Cadmiumsulfate (20%)*	12	Diacetonolalcohol	5+7
Ammoniumchloride (20%)*	10	Calciumacetate (20%)*	12	Dibutylphthalate	7a
Ammoniumdihydrogen- phosphat (20%)*	10	Calciumbromide (20%)*	12	Dichlorobenzene	6b
Ammoniumfluoride (20%)*	10	Calciumchloride (20%)*	12	Dichlorodimethylsilane	10
Ammoniumhydrogen- carbonate (20%)*	11	Calciumnitrate (20%)*	11	Dichloroethane	6
Ammoniumhydrogen- phosphat (20%)*	12	Calciumsulfide (20%)*	10	Dichloromethane	6a
Ammoniumphosphat (20%)*	11	Carbontetrachloride	6a	Diesel	3
Ammoniumsulfate (20%)*	10	Castor oil	7b	Diethanolamine	13
Ammoniumsulfide (20%)*	11	Chemical deicing agents (Isopropanol/Glykol=2:1)	5	Diethylamine	13
AMP 95% (aminomethylpropane)	13	Chlorinated paraffin	6	Diethyleneglykol	5



Chemicals	Test group	Chemicals	Test group	Chemicals	Test group
Diethylenetriamine	13	Glauber's salt saturated (Na-Ca-Sulfat) (20%)*	12	Magnesiumchloride (20%)*	12
Diethylether	15a	Glycerine	5	Magnesiumhydrogen-carbonate (20%)*	12
Dimethylaminoethanol	13	Glycol	5	Magnesiumnitrate (20%)*	12
Dimethylformamide (DMF)	add. testing	Glycolacetate	7	Magnesiumphosphate saturated	10
Dimethylphthalate	7a	Heating fuel	3	Magnesiumsulfate (20%)*	12
Dinitrobenzene	4a	1.6 Hexamethyl-endiacrylate (HMDA)	7	Maleic acid (10%)*	9
Dinitrotolulene	4	1.6 Hexamethyl-endimethacrylate	7	Manganeschloride (20%)*	12
Diocetylphthalate	7a	Heptane	1	Manganesenitrate (20%)*	12
Dioxane	15	Hexane	1	Manganesesulfate (20%)*	12
Dipentene	4	Hexene	1	Mercuryacetate (20%)*	12
Dodecylbenzene	4	Hydraulic fluid	1, 4a, 7 dep. on type	Mercurynitrate (20%)*	10
Drilling liquid	4b+14	Hydraulic oil	4, 7 dep. on type	Mercurysulfate (20%)*	12
Ethanol 98%, 70%	5b	Hydrazine (15%)*	13	Methacrylic acid	9a
Ethanolamine	13	Hydrobromic acid up (20%)*	10	Methacrylicacid-methylester	7
2-Ethoxyethanol	5	Hydrochloric acid (> 20%)	add. testing	Methanole	5a
Ethylacetate	7	Hydrochloric acid (20%)*	10	Methoxybutylacetate (Butoxyl)	7
Ethylammoniumchloride	13	Hydrocyanic acid (20%)*	9a	Methoxypropanol	5
Ethylbenzene	4a	Hydrogenperoxide (30%)	add. testing	Methoxypropylacetate-2	7
Ethylendiamine (EDA)	13	Iron(II)-sulfate (20%)*	10	Methylacetate	7
Ethylene glycol	5	Iron(III)-chloride (20%)*	10	Methylenechloride	6a
Ethylglycolacetate	7	Iron(III)-chloridesulfate (20%)*	10	Methylethylketone (MEK)	7
Ethylhexylammonium-chloride	14	Iron(III)-nitrate (20%)*	12	Methylfuran	15
Ethylhexylphthalate	7a	Isobutanole	5	Methylglycolacetate	7
Fatty acid (< 10%)*	9	Isophorondiamine (IPD)	13	Methylisobutylketone (MIBK)	7
Fatty acid (> 10%)*	9a	Isopropanol (IPA), Isopropylalcohol	5	Mineral oil	4
Fattyalcoholpolyglykoether	14	Kerosene	2	Monochlorbenzene	6b
Fattyalcoholsulfonate	14	Lactic acid (> 10%)*	9a	Morpholine	13
Form oils	4	Lactic acid (10%)*	9	Naphthalene	4
Formaldehyde solution (40%)*	8	Laquer oil	4	n-Butylacetate	7
Formic acid (10%)*	9	Lime water	11	n-Butylether	15a
Fruit juice	9	Linseed oil	7b	Nickelchloride (20%)*	12
Furfural	15	Machine oil	3	Nickelnitrate (20%)*	12



Chemicals	Test group	Chemicals	Test group	Chemicals	Test group
Nickelsulfate (20%)*	12	Potassiumbromide (20%)*	12	Sodiumhydrogen-ephosphate (20%)*	12
Nitric acid (< 10%)*	add. testing	Potassiumcarbonate (20%)*	11	Sodiumhydrogensulfate (20%)*	10
Nitric acid (> 10%)*	add. testing	Potassiumchloride (20%)*	12	Sodiumhydrogensulfide (20%)*	12
Nitrobenzene	4a	Potassiumcyanide (20%)*	11	Sodiumhydroxide (20%)*	11
2-Nitropropane	4	Potassiumfluoride (20%)*	12	Sodiumiodide (20%)*	12
Nitro-thinner	5+7	Potassiumhexacyanofe- rate-(II) and -(III) (20%)*	12	Sodiumnitrate (20%)*	12
Nitrotoluene	4	Potassiumhydrogensulf- ate (20%)*	10	Sodiumnitrite (20%)*	12
N-Methylpyrrolidone	add. testing	Potassiumhydroxide (< 20%)*	11	Sodiumphosphate (20%)*	11
n-Octane	4	Potassiumiodide (20%)*	12	Sodiumsilicat (20%)*	11
n-Propylacetate	7	Potassiumnitrate (20%)*	12	Sodiumsulfate (20%)*	12
n-Propylalcohol, Propanole	5	Potassiumphosphate (20%)*	12	Sodiumsulfide (20%)*	11
Oleic acid	9a	Potassiumsulfate (20%)*	12	Sodiumtetraborate (Borax) (20%)*	11
Oxalic acid solution (10%)*	9	Propionic acid (10%)*	9	Sodiumthiosulfate (20%)*	12
Oxalic acid solution saturated	9a	Propionic acid 99%	9a	Sojalecithine	7b
Pentane	4	Propylenglycol	5	Solvent naphta	4
Perchlorethylene	6	Salicylic acid (10%)*	9	Styrene	4
Petrol	1	Seawater	12	Sulphuric acid > 20%	add. testing
Petroleum	4	Skydrol 500 P	7	Sulphuric acid 20%	10
Phenol	4	Soap solution 5%	14	Tall oil	7
Phosphonopropionic acid	9a	Sodiumhydroxide (>20%)*	add. testing	Tannic acid (10%)*	9
Phosphoric acid (20%)*	10	Sodiumsulfide solution saturated (17%)*	11	Tensides	14
Phosphoric acid > 20%	add. testing	Sodiumacetate (20%)*	11	Tetrahydrofurane (THF)	15
Phosphoricchloride	10	Sodiumaluminium-sulfate (20%)*	12	Toluene	4
Phthalicaciddiethylester	7	Sodiumbromide (20%)*	12	Trichlorobenzene	6b
Plasticiser (Phthalate)	7	Sodiumcarbonate (20%)*	11	Trichloroethane	6
Polyalcohol	5	Sodiumchloride solution (20%)*	12	Trichloroethylene	6
Polychlorinated biphenyles (PCB)	6b	Sodiumcyanide (20%)*	11	Trichloromethane	6a
Polyether	5	Sodiumdihydrogen-ephosphate (20%)*	10	Trichlorophenol	6b
Polyethyleneglycol	5	Sodiumfluoracetate	12	Triethanolamine (98%)	13
Potassiumaluminium-sulfate (20%)*	10	Sodiumfluoride	12	Triethylamine (99%)	13
Potassiumbicarbonat (20%)*	12	Sodiumhexafluoro-silicate	12	Triethylenetetramine (TETA)	13
Potassiumborate (20%)*	12	Sodiumhydrogen-carbonate solution saturated	12	Triethylenglycole	5



Construction

Chemicals	Test group	Chemicals	Test group	Chemicals	Test group
Triisobutylphosphate	7				
Trimethylolpropantriacrylat (TMPTA)	7				
Trinatriumphosphate	11				
Tri-n-Butylphosphate	7				
Urea	13				
Used oil	4c				
Vinyl acetate	7				
White spirit	4				
Wine	5				
Wine acid (10%)*	9				
Xylene	4				
Zincchloride (20%)*	10				
Zincnitrate (20%)*	12				
Zincsulfate (20%)*	10				



Test groups in accordance to DIBt / test medium (October 2004)	
1	Petrol containing max. 5 vol.-% bioalcohol
1a	Petrol containing max. 20 vol.-% bioalcohol
2	Aircraft fuel
3	Heating fuel / unused engine and lubricating oils
3a	Diesel containing max. 5 vol.-% biodiesel
3b	Diesel containing max. 20 vol.-% biodiesel
4	All hydrocarbons containing max. 5 vol.-% benzene, except petrol (incl. test group 2, 3, 4b and 4c; except 1, 1a, 3a, 3b and 4a)
4a	Benzene and benzene containing solutions
4b	Crude oil
4c	Used engine and lubricating oils
5	Alcohols (max. 48 vol.-% Methanol), glycol ethers (incl. test group 5b)
5a	All alcohols and glycol ethers (incl. test group 5 and 5b)
5b	Alcohols $\geq C_2$
6	Aliphatic and aromatic halogen hydrocarbons $\geq C_2$ (incl. test group 6b)
6a	All aliphatic and aromatic halogen hydrocarbons (incl. test group 6 and 6b)
6b	<i>Aromatic halogen hydrocarbons</i>
7	All esters and ketones (incl. test group 7a and 7b)
7a	Aromatic esters and ketones
7b	Biodiesel
8	Watery solutions of aliphatic aldehydes (up to 40%)
8a	Aliphatic aldehydes including their watery solutions (incl. test group 8)
9	Watery solutions of organic acids (carbon acids) (up to 10%) including their salts (in watery solution)
9a	Organic acids (Carbon acid) including their salts (in watery solution) except formic acid
10	Mineral acids (up to 20 %) and acidious hydrolysing salts (pH < 6)
11	Anorganic lyes and alkaline hydrolysing salts (pH > 8)
12	Watery solutions of anorganic, non oxidizing salts (pH 6-8)
13	Amines and their salts (in watery solution)
14	Watery solutions of organic tensides
15	Cyclic and acyclic ethers (incl. test group 15a)
15a	Acyclic ethers

See next page for further comments to the individual test groups.



Comments

Group 1 and 1a:

- If a test is passed with the medium from test group 4 or 4a **and** 5 or 5a, then it also accounts for passing test group 1 and 1a.

Group 3, 3a and 3b:

- If a test is passed with the medium from test group 3 **and** 7 or 7b, then it also accounts for passing test group 3a and 3b.

Group 9 - 12:

- If a test is passed with the medium from test group 9 and 9a, then it also accounts for passing "all concentrations of organic acids (carbon acids) in watery solution, except formic acid >10%".
- If a test is passed with the medium from test group 10 **and** 11, then it also accounts for passing test group 12.

Construction



4 Chemical resistance Sikafloor-162

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	C	A	C	A	C	C
1	B/D	A	B/D	A	A/D	B/D
2.1	A	A	A	A	A	A
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	B/D	B/D
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A	B/D	A	B/D	B/D
5b	A	A	A	A	B	B/D
6	C	A	C	A	C	C
6a	C	A/D	C	A/D	C	C
6b	C	A	C	A	C	C
7	B/D	A	B/D	A	B/D	C
7a	A/D	A	B/D	A/D	C	C
7b	A/D	A	A/D	A	A/D	A/D
8	A	A	A	A/D	A	A/D
8a	A/D	A	C	A	C	C
9	A/D	A/D	A/D	A/D	A/D	A/D
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	C
11	A/D	A	A/D	A/D	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	A/D	A	A/D	A/D	A/D	C
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A	A/D	A/D
15	C	A	C	A	C	C
15a	B	A	C	A	C	C
Methylethylketon (MEK)	B/D	A	C	A	C	C
Na-Hypochlorit 6,6%	A/D	A	A/D	A/D	A/D	A/D
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 30%	A/D	A/D	A/D	A/D	A/D	C

Construction



5 Chemical resistance Sikafloor-230 ESD Topcoat on Sikafloor-262 AS N

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A	A	A/D	A	A/D	B/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A/D	A/D	A/D	A/D	A/D	A/D
5	A/D	A/D	A/D	A/D	A/D	B/D
5b	A/D	A	A/D	A/D	A/D	B/D
6	B/D	A/D	C	A/D	C	C
6b	C	A/D	C	A/D	C	C
7	A/D	A/D	A/D	A/D	B/D	B/D
7a	A/D	A/D	A/D	A/D	A/D	B/D
7b	A/D	A	A/D	A/D	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	A/D	A/D	A/D	A/D	A/D	C
9	C	A/D	C	A/D	C	C
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A/D	A/D	A/D	A/D	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	A/D	A/D	A/D	A/D	B/D	C
14.1	A/D	A/D	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A	A	A/D	A	C	C
Lactic acid 30%	A/D	A/D	C	C	C	C
Na-hypochlorit 4,4%	A/D	C	A/D	C	A/D	C

Construction



6 Chemical resistance Sikafloor-235 ESD

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	C	A/D	C	A/D	C	C
1	B/D	A	B/D	A	B/D	C
2.1	A	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	B/D	C
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	C	A	C	C
5	C	A	C	A/D	C	C
5a	C	A/D	C	A/D	C	C
5b	C	A/D	C	A/D	C	C
6	C	A	C	A	C	C
6b	B/D	A	C	A	C	C
7	B/D	A	B/D	A	C	C
7a	A/D	A/D	B/D	A/D	B/D	C
7b	A	A	A	A	A	A
8	A/D	A/D	B/D	A/D	C	C
8a	C	A	C	A/D	C	C
9	C	A/D	C	A/D	C	C
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	C	C
11	A/D	A	A/D	A	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	A/D	A/D	A/D	A/D	B/D	C
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	B/D	A	B/D	A	C	C
Methylethylketon (MEK)	A/D	A	B/D	A	C	C
Lactic acid 30%	C	C	C	C	C	C
Na-Hypochlorit 4,6%	A/D	A/D	A/D	A/D	C	C
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 5%	C	A/D	C	A/D	C	C
Sulphuric acid 50%	A/D	A/D	A/D	A/D	A/D	A/D
Water, distilled	A/D	A	A/D	A	A/D	A/D
Hydrogen peroxide 30%	C	C	C	C	C	C

Construction



7 Chemical resistance of Sikafloor-261 (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A	A	A/D	A	A/D	B/D
2.1	A	A	A	A	A/D	A/D
3	A	A	A	A	A	A
4	A/D	A	B/D	A	B/D	B/D
4b	A	A	A/D	A/D	A/D	A/D
4c	A/D	A	A/D	A/D	A/D	A/D
5	A/D	A	A/D	A	B/D	B/D
5a	B/D	A	B/D	A/D	C	C
6	B/D	A	B/D	A	C	C
6b	A/D	A	B/D	A	B/D	C
7	B	A	B/D	A	B/D	C
7a	A/D	A	A/D	A	A/D	B/D
7b	A/D	A/D	A/D	A/D	A/D	A/D
8	A	A/D	A/D	A/D	A/D	A/D
8a	C	A	C	A	C	C
9	A/D	A/D	A/D	A/D	A/D	C
9a	A/D	A/D	B/D	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A/D	A	A/D	A/D
12	A	A	A	A	A	A
13	A/D	A	A/D	A	B/D	B/D
14.1	A	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A/D	A/D	A/D
15	B/D	A	C	A	C	C
15a	A/D	A	A/D	A	B/D	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Na-hypochlorit 4,4%	A/D	A	A/D	A/D	A/D	A/D

Construction



8 Chemical resistance of Sikafloor-261 Thixo (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A	A	A/D	A	A/D	A/D
2.1	A	A	A/D	A	A/D	A/D
3	A	A	A	A	A	A
4	A/D	A	A/D	A	A/D	A/D
4b	A	A	A	A	A/D	A/D
5	A/D	A/D	A/D	A/D	A/D	A/D
5a	A/D	A/D	B/D	A/D	C	C
6	C	A	C	A	C	C
6b	A/D	A	C	A	C	C
7	A	A	A/D	A/D	A/D	A/D
7b	A/D	A	A/D	A	A/D	A/D
8	A	A	A/D	A/D	A/D	A/D
8a	C	A	C	A	C	C
9	A	A	A	A	C	C
9a	C	A/D	C	A/D	C	C
10	A	A	A/D	A/D	A/D	A/D
11	A/D	A	A/D	A	A/D	A/D
12	A	A	A	A	A	A
13	A/D	A	A/D	A	A/D	A/D
14.1	A	A	A/D	A	A/D	A/D
14.2	A	A	A/D	A	A/D	A/D
15	C	A	C	A	C	C
15a	A	A	A/D	A	A/D	A/D
Lactic acid 30%	A/D	A	A/D	A/D	B/D	C
Na-hypochlorit 4,4%	A/D	A	A/D	A/D	A/D	A/D

Construction



9 Chemical resistance of Sikafloor-262 AS N

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	B/D	A/D	C	A/D	C	C
1	A/D	A	A/D	A	A/D	A/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A	B/D	A	B/D	B/D
5a	B/D	A/D	C	A/D	C	C
5b	A/D	A	A/D	A	A/D	A/D
6	B/D	A	C	A	C	C
6b	B/D	A	B/D	A	C	C
7	A/D	A	B/D	A	B/D	C
7a	A/D	A	A/D	A	A/D	B/D
7b	A/D	A	A/D	A	A/D	A
8	A/D	A/D	B/D	A/D	A/D	C
8a	A/D	A	C	A/D	C	C
9	C	A/D	C	A/D	C	C
9a	B/D	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	C
11	A/D	A	A/D	A	A/D	A
12	A/D	A	A/D	A	A/D	A
13	A/D	A	A/D	A/D	A/D	B/D
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A/D	A	B/D	A	C	C
Methylethylketon (MEK)	A/D	A	B/D	A	B/D	C
Lactic acid 30%	C	A/D	C	C	C	C
Na-Hypochlorit 4,6%	A/D	A/D	A/D	A/D	A/D	A/D
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 5%	A/D	A/D	A/D	A/D	A/D	C
Sulphuric acid 50%	A/D	A/D	A/D	A/D	A/D	A/D
Water, distilled	B/D	A	B/D	A	A/D	A/D
Hydrogen peroxide 30%	C	C	C	C	C	C

Construction



10 Chemical resistance of Sikafloor-262 AS N Thixo

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	B/D	A/D	C	A/D	C	C
1	A/D	A	A/D	A	A/D	A/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A	B/D	A	B/D	B/D
5a	B/D	A/D	C	A/D	C	C
5b	A/D	A	A/D	A	A/D	A/D
6	B/D	A	C	A	C	C
6b	B/D	A	B/D	A	C	C
7	A/D	A	B/D	A	B/D	C
7a	A/D	A	A/D	A	A/D	B/D
7b	A/D	A	A/D	A	A/D	A
8	A/D	A/D	B/D	A/D	A/D	C
8a	A/D	A	C	A/D	C	C
9	C	A/D	C	A/D	C	C
9a	B/D	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	C
11	A/D	A	A/D	A	A/D	A
12	A/D	A	A/D	A	A/D	A
13	A/D	A	A/D	A/D	A/D	B/D
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A/D	A	B/D	A	C	C
Methylethylketon (MEK)	A/D	A	B/D	A	B/D	C
Lactic acid 30%	C	A/D	C	C	C	C
Na-Hypochlorit 4,6%	A/D	A/D	A/D	A/D	A/D	A/D
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 5%	A/D	A/D	A/D	A/D	A/D	C
Sulphuric acid 50%	A/D	A/D	A/D	A/D	A/D	A/D
Water, distilled	B/D	A	B/D	A	A/D	A/D
Hydrogen peroxide 30%	C	C	C	C	C	C

Construction



11 Chemical resistance of Sikafloor-263 SL

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Aceton	C	A/D	C	A/D	C	C
1	A/D	A	A/D	A	A/D	A/D
2.1	A	A	A	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A
4	A/D	A	A/D	A	A/D	C
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	A/D	A	A	A
5	A/D	A	A/D	A	A/D	B/D
5a	B/D	A	C	A	C	C
5b	A	A	A/D	A	A	A/D
6	A/D	A	B/D	A	C	C
6b	A/D	A	B/D	A	C	C
7	A/D	A	A/D	A	A/D	
7a	A/D	A/D	A/D	A	A/D	B/D
7b	A	A	A	A	A	A
8	A	A/D	A	A/D	A	A
8a	A/D	A	C	A	C	C
9	A/D	A/D	A/D	A/D	A/D	C
9a	B/D	A/D	B/D	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A	A	A	A
12	A	A	A	A	A	A
13	A/D	A	A/D	A	A/D	B/D
14.1	A	A	A/D	A	A/D	A
14.2	A	A	A/D	A	A/D	A/D
15	C	A	C	A	C	C
15a	A/D	A	A/D	A	C	C
Methylethylketon (MEK)	A	A	A/D	A	A/D	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Na-Hypochlorit 4,6%	A	A/D	A/D	A/D	A	C
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 5%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid 50%	A/D	A/D	A/D	A/D	A/D	A/D
Water, distilled	A/D	A	A/D	A	A	A
Hydrogen peroxide 30%	A/D	C	A/D	C	A	C

Construction



12 Chemical resistance of Sikafloor-264

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	C	A	C	C
4	A	A	A/D	A	A/D	C
5	A/D	A	A/D	A	A/D	A/D
7	A/D	A	A/D	A	C	C
9	A/D	A/D	A/D	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
13	A/D	A	A/D	A	A/D	B/D
14.2	A	A	A	A	A/D	A/D

Construction



13 Chemical resistance of Sikafloor-266 CR

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	B/D	A/D	C	A/D	C	C
1	A/D	A	A/D	A	B/D	B/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	A/D	B/D
4b	A/D	A	A/D	A	A/D	A/D
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A/D	A/D	A	B/D	B/D
5a	B/D	A/D	B/D	A	C	C
5b	A/D	A/D	A/D	A	A/D	B/D
6	B/D	A	C	A	C	C
6b	B/D	A	B/D	A	B/D	C
7	A/D	A	B/D	A	B/D	C
7a	A/D	A/D	A/D	A/D	A/D	B/D
7b	A/D	A	A/D	A	A/D	A
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	A/D	A/D	C	A/D	C	C
9	A/D	A/D	A/D	A/D	C	C
9a	B/D	A/D	B/D	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A	A	A/D	A/D
12	A	A	A/D	A/D	A/D	A
13	A/D	A/D	A/D	A/D	A/D	B/D
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	B/D	A	B/D	A	C	C
Methylethylketon (MEK)	A/D	A	B/D	A	C	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Na-Hypochlorit 4,6%	A/D	A/D	A/D	A/D	A/D	C
Caustic soda 50%	A	A	A	A	A	A
Nitric acid 5%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid 50%	A/D	A/D	A/D	A/D	A/D	A/D
Water, distilled	A/D	A	A/D	A	A/D	A/D
Hydrogen peroxide 30%	A/D	A/D	A/D	A/D	A/D	A/D



14 Chemical resistance of Sikafloor-2530 W (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	B/D	A	C	A	C	C
2.1	A	A	A	A	A	A
3	A	A	A	A	A	A
4	B/D	A/D	C	A/D	C	C
4b	A	A	A	A	A	A
4c	C	A	C	A	C	C
5	A/D	A	A/D	A	C	C
5b	A/D	A	A/D	A	A/D	C
6	C	A/D	C	A/D	C	C
6b	C	A/D	C	A/D	C	C
7	B/D	A/D	C	A/D	C	C
7a	A/D	A	C	A	C	C
7b	A/D	A	A/D	A/D	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	C
8a	C	A	C	A/D	C	C
9	C	A/D	C	A/D	C	C
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	C	C
11	A/D	A	A/D	A	A/D	A/D
12	A	A	A	A	A	A
13	A/D	A/D	C	A/D	C	C
14.1	A/D	A/D	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	C	A	C	A	C	C
Lactic acid 30%	C	B/D	C	C	C	C
Na-Hypochlorit 4,4%	A/D	C	A/D	C	A/D	C

Construction



15 Chemical resistance of Sikafloor-302 W

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	C	A	C	A	C	C
2.1	A	A	A	A	A	A
3	A	A	A	A	A/D	A/D
4	B/D	A	C	A	C	C
4b	A	A	A/D	A/D	A/D	A/D
4c	A	A	A	A	A	A
5	A	A	C	A	C	C
5b	B/D	A	B/D	A	C	C
6	C	A	C	A	C	C
6b	C	A	C	A	C	C
7	C	A	C	A	C	C
7a	C	A/D	C	A/D	C	C
7b	A	A	A	A	A/D	A/D
8	A	A	A	A	A	A
8a	B/D	A	C	A	C	C
9	A/D	A	C	A/D	C	C
9a	C	A/D	C	A/D	C	C
10	A	A/D	A	A/D	A	A/D
11	A	A	A	A	A/D	A/D
12	A	A	A	A	A	A
13	B/D	A/D	B/D	A/D	C	C
14.1	A	A	A	A	A	A
14.2	A	A	A	A	A	A
15	C	A	C	A	C	C
15a	B/D	A	C	A	C	C
Coffee	A/D	A/D	A/D	A/D	A/D	A/D
Na-Hypochlorit 6,6%	A	A/D	A	A/D	A	A/D
Orange juice	A/D	A	A/D	A	A/D	A/D

Construction



16 Chemical resistance of Sikafloor-325 (at 23°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	C	A	C	A	C	C
2.1	A/D	A	A/D	A	A/D	B/D
3	A/D	A	A/D	A	A/D	A/D
4	C	A/D	C	A/D	C	C
4b	A/D	A	A/D	A	A/D	A/D
4c	A	A	A/D	A	C	C
5	B/D	A/D	B/D	A/D	C	C
5b	B/D	A/D	B/D	A/D	C	C
6	C	A/D	C	A/D	C	C
6b	C	A/D	C	A/D	C	C
7	C	A/D	C	A/D	C	C
7a	C	B/D	C	C	C	C
7b	A/D	A/D	A/D	A/D	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	B/D	A	B/D	A/D	C	C
9	A/D	A/D	A/D	A/D	A/D	C
9a	C	A/D	C	A/D	C	C
10	A	A	A	A	A	A
11	A/D	A	A/D	A	A/D	C
12	A	A/D	A	A/D	A	A
13	C	B/D	C	B/D	C	C
14.1	A/D	A/D	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	C	A/D	C	A/D	C	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Na-Hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D

Construction



17 Chemical resistance of Sikafloor-357

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	C	A/D	C	A/D	C	C
1	B/D	A	B/D	A/D	B/D	C
2.1	A/D	A	A/D	A/D	A/D	A/D
3	A	A	A/D	A/D	A/D	A/D
4	A/D	A	A/D	A/D	B/D	C
4b	A/D	A/D	A/D	A/D	A/D	A/D
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A/D	A/D	A/D	A/D	C
5a	A/D	A/D	A/D	A/D	B/D	C
5b	A/D	A/D	A/D	A/D	A/D	C
6	C	A/D	C	A/D	C	C
6b	B/D	A	C	A/D	C	C
7	C	A/D	C	A/D	C	C
7a	B/D	A/D	C	A/D	C	C
7b	A	A	A/D	A	A/D	A/D
8	A/D	A	A/D	A	A/D	A/D
8a	B/D	A/D	B/D	A/D	C	C
9	A/D	A/D	A/D	A/D	A/D	C
9a	C	A/D	C	A/D	C	C
10	A/D	C	A/D	C	A/D	A/D
11	A/D	A	A/D	A/D	C	C
12	A	A	A	A	A	A
13	C	A/D	C	A/D	C	C
14.1	A	A	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A/D	A/D	C	A/D	C	C
Methylethylketon (MEK)	C	A	C	A	C	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	A/D
Na-Hypochlorit 4,6%	A/D	A/D	A/D	A/D	A/D	C
Caustic soda 50%	A/D	A/D	A/D	A/D	A/D	C
Nitric acid 20%	A/D	A/D	C	A/D	C	C
Hydrochloric acid 37%	A/D	A/D	A/D	A/D	B/D	C
Skydrol 500 P	B/D	A/D	B/D	A/D	C	C
Viaform L 25	A	A	A/D	A	A	A
Hydrogen peroxide 30%	A/D	A/D	A/D	A/D	A/D	A/D

Construction



18 Sikafloor 358

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	A/D	C
2.1	A	A	A	A	A	A
3	A	A	A	A	A	A
4b	A	A	A	A	A/D	A/D
5a	C	A	C	A	C	C
5b	A	A	A/D	A	A/D	C
7b	A	A	A	A	A/D	A/D
10	A/D	A/D	A/D	A/D	C	C
11	A	A	A	A	A	A/D
12	A	A	A	A	A	A/D
14.1	A	A	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D

19 Sikafloor 358 (on Sikafloor-350 N)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A	A	A/D	A	A/D	A/D
2.1	A	A	A	A	A	A/D
3	A	A	A	A	A	A
4b	A/D	A/D	A/D	A/D	A/D	A/D
5a	A/D	A	A/D	A	B/D	C
5b	A	A	A	A	A	A/D
7b	A	A	A	A	A	A
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A	A	A	A
12	A	A	A	A	A	A
14.1	A	A	A	A	A	A/D
14.2	A/D	A	A/D	A	A/D	A/D



20 Sikafloor 359 N

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	C	A/D	C	C
2.1	A/D	A	A/D	A	A	A
3	A	A	A/D	A	A	A
4b	A/D	A/D	A/D	A/D	A/D	A/D
5a	A/D	A	C	A	C	C
5b	A/D	A/D	A/D	A/D	A/D	A/D
7b	A/D	A/D	A/D	A	A/D	A/D
10	A/D	B/D	A/D	B/D	A/D	A/D
11	A	A	A	A	A	A
12	A	A	A	A	A	A
14.1	A	A	A	A	A	A
14.2	A/D	A	A/D	A/D	A/D	A/D

21 Sikafloor 359 N (on Sikafloor-350 N)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	B/D	A	B/D	C
2.1	A	A	A/D	A	A/D	A/D
3	A	A	A/D	A	A/D	A/D
4b	A/D	A/D	A/D	A/D	A/D	A/D
5a	B/D	A	B/D	A	C	C
5b	A/D	A	A/D	A	B/D	C
7b	A	A	A/D	A	A/D	A/D
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A	A	A	A
12	A	A	A	A	A	A
14.1	A	A	A	A	A	A
14.2	A	A	A	A	A	A



22 Chemical resistance of Sikafloor-381 N (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	A/D	A/D
2.1	A	A	A	A	A/D	A/D
3	A	A	A	A	A	A
4	A	A	A	A	A	A
4b	A	A	A	A	A	A
5	A/D	A	A/D	A	B/D	B/D
5b	A/D	A	A/D	A	A/D	B/D
6	A/D	A	A/D	A	B/D	C
6b	A/D	A	A/D	A	A/D	C
7	A/D	A	A/D	A	A/D	B/D
7a	A	A	A/D	A	A/D	A/D
7b	A/D	A	A/D	A	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	A/D	A	A/D	A	C	C
9	A/D	A/D	C	A/D	C	C
9a	B/D	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A	A	A/D	A/D
12	A	A	A/D	A/D	A/D	A/D
13	A/D	A	A/D	A	A/D	B/D
14.1	A	A	A	A	A	B/D
14.2	A/D	A	A/D	A	A/D	B/D
15	B/D	A/D	C	A/D	C	C
15a	A/D	A	A/D	A	A/D	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Lactic acid 80%	B/D	A/D	B/D	A/D	B/D	C
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	B/D	B/D
Nitric acid HNO ₃ 30%	A/D	C	C	C	C	C
Nitric acid HNO ₃ 40%	C	C	C	C	C	C
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 96%	A/D	A/D	A/D	A/D	C	C
Phosphoric acid H ₃ PO ₄ 85%	B/D	B/D	B/D	B/D	B/D	B/D
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	B/D	B/D

Construction



Construction

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetone	A/D	A	A/D	A	C	C
Ethanol 100%	A/D	A	A/D	A	A/D	A/D
Chromic acid 50%	A/D	A/D	C	A/D	C	C
Acetic acid 60%	C	A/D	C	A/D	C	C
Zinc chloride 50%	A/D	A	A/D	A	A	A
Caustic soda 50%	A	A	A	A	A	A
Ammonia solution 25%	A/D	A	A/D	A	A/D	A/D
Hydrogen-peroxide 30%	A/D	C	A/D	C	C	C
N-Methyl-pyrrolidon	A/D	A/D	A/D	A/D	B/D	B/D
Methyl-methacrylate	A/D	A	A/D	A	A/D	C
Dimethyl-formamide	B/D	A/D	B/D	A/D	C	C
Sugar solution saturated	A	A	A	A	A/D	A/D



23 Chemical resistance of Sikafloor-381 AS N (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	A/D	A/D
2.1	A	A	A/D	A	A/D	A/D
3	A	A	A	A	A	A/D
4	A	A	A/D	A	A/D	A/D
4b	A/D	A	A/D	A	A/D	A/D
5	A/D	A	A/D	A	B/D	B/D
5b	B/D	A/D	B/D	A/D	C	C
6	A/D	A	B/D	A	B/D	C
6b	A/D	A	B/D	A	A/D	A/D
7	A/D	A	A/D	A	A/D	A/D
7b	A/D	A	A/D	A	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	B/D	A	C	A	C	C
9	A/D	A/D	A/D	A/D	B/D	B/D
9a	A/D	A/D	B/D	A/D	B/D	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A/D	A	A/D	A/D
12	A	A	A	A	A	A
13	A/D	A	A/D	A	A/D	B/D
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A/D	A/D	A/D
15	B/D	A	C	A	C	C
15a	A/D	A	A/D	A	A/D	A/D
Lactic acid 30%	A/D	A/D	B/D	A/D	B/D	B/D
Lactic acid 80%	A/D	A/D	C	A/D	C	C
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	A/D	B/D
Nitric acid HNO ₃ 30%	A/D	C	A/D	C	A/D	C
Nitric acid HNO ₃ 40%	A/D	C	C	C	C	C
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 96%	B/D	A/D	B/D	A/D	C	C
Phosphoric acid H ₃ PO ₄ 85%	A/D	A/D	B/D	A/D	B/D	B/D
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	B/D
Acetone	A/D	A	A/D	A	C	C
Ethanol 100%	B/D	A/D	B/D	A/D	C	C

Construction



Construction

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Chromic acid 50%	A/D	A/D	C	A/D	C	C
Acetic acid 60%	C	A/D	C	A/D	C	C
Zinc chloride 50%	A/D	A	A/D	A	A	A
Caustic soda 50%	A	A	A	A	A	A
Ammonia solution 25%	A/D	A	A/D	A	A/D	A/D
Hydrogen-peroxide 30%	A/D	C	A/D	C	C	C
N-Methyl-pyrrolidon	A/D	A/D	A/D	A/D	B/D	B/D
Methyl-methacrylate	A/D	A	A/D	A	A/D	C
Dimethyl-formamide	B/D	A/D	B/D	A/D	C	C
Sugar solution saturated	A	A	A	A	A/D	A/D



24 Chemical resistance of Sikafloor-390 (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	B/D	B/D
2.1	A	A	A	A	A	A/D
3	A	A	A	A	A	A
4	A/D	A	A/D	A	A/D	B/D
4b	A	A	A	A	A	A
4c	A/D	A	A/D	A	A/D	A/D
5	A/D	A	A/D	A	A/D	A/D
5b	A/D	A	A/D	A	A/D	A/D
6	B/D	A	B/D	A	B/D	B/D
6b	A/D	A	B/D	A/D	B/D	B/D
7	A/D	A	B/D	A	B/D	B/D
7a	A/D	A/D	A/D	A/D	A/D	B/D
7b	A	A	A	A	A	A
8	A	A/D	A	A/D	A/D	A/D
8a	A/D	A	A/D	A	A/D	C
9	A/D	A/D	A/D	A/D	A/D	A/D
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A/D	A	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	A/D	A/D	A/D	A/D	B/D	B/D
14.1	A	A	A	A	A/D	A/D
14.2	A	A/D	A/D	A/D	A/D	A/D
15	C	A	C	A/D	C	C
15a	A/D	A	A/D	A	A/D	C
Lactic acid 30%	A/D	A/D	A/D	C	A/D	B/D
Lactic acid 80%	B/D	B/D	C	B/D	C	C
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	B/D	B/D
Nitric acid HNO ₃ 30%	A/D	C	A/D	C	C	C
Nitric acid HNO ₃ 40%	A/D	C	C	C	C	C
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	A/D	A/D	B/D	B/D
Sulphuric acid H ₂ SO ₄ 96%	C	C	C	C	C	C
Phosphoric acid H ₃ PO ₄ 85%	B/D	B/D	B/D	B/D	B/D	C
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D
Acetone	C	A/D	C	A/D	C	C
Ethanol 100%	A/D	A	A/D	A/D	B/D	B/D
Chromic acid 50%	C	A/D	C	A/D	C	C

Construction



Construction

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Acetic acid 60%	C	A/D	C	A/D	C	C
Zinc chloride 50%	A	A	A	A	A	A
Caustic soda 50%	A	A	A	A	A	A/D
Ammonia solution 25%	A	A	A/D	A/D	B/D	B/D
Hydrogen-peroxide 30%	A/D	C	A/D	C	C	C
N-Methyl pyrrolidon	B/D	A/D	C	A/D	C	C
Methyl-methacrylate	A/D	A	A/D	A	C	C
Dimethyl-formamide	C	A/D	C	A/D	C	C
Sugar solution saturated	A	A	A	A	A	A



25 Chemical resistance of Sikafloor-390 AS (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A	A	A/D	A	B/D	B/D
2.1	A	A	A	A	A	A
3	A	A	A	A	A	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A	A	A	A	A	A
5	B/D	A	B/D	A	B/D	B/D
5b	A/D	A	A/D	A	B/D	B/D
6	B/D	A	B/D	A	B/D	C
6b	B/D	A	B/D	A	B/D	C
7	B/D	A	B/D	A	B/D	C
7a	A/D	A/D	A/D	A/D	A/D	B/D
7b	A	A	A	A	A	A
8	A	A	A	A	A/D	A/D
8a	B/D	A	B/D	A	C	C
9	A/D	A/D	A/D	A/D	A/D	B/D
9a	B/D	A/D	B/D	A/D	B/D	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A/D	A	A/D	A/D
12	A	A	A	A	A	A
13	A/D	A	B/D	A	B/D	C
14.1	A	A	A/D	A	A/D	B/D
14.2	A/D	A/D	A/D	A/D	A/D	B/D
15	C	A	C	A	C	C
15a	A/D	A	B/D	A	B/D	C
Lactic acid 30%	A/D	A/D	A/D	A/D	B/D	C
Lactic acid 80%	A/D	A/D	C	A/D	C	C
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	A/D	B/D
Nitric acid HNO ₃ 30%	A/D	C	A/D	C	A/D	C
Nitric acid HNO ₃ 40%	A/D	C	C	C	C	C
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 96%	C	A/D	C	A/D	C	C
Phosphoric acid H ₃ PO ₄ 85%	A/D	A/D	B/D	A/D	B/D	C
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D
Acetone	C	A/D	C	A/D	C	C
Ethanol 100%	A/D	A	A/D	A/D	B/D	B/D
Chromic acid 50%	C	A/D	C	A/D	C	C
Acetic acid 60%	C	A/D	C	A/D	C	C

Construction



Construction

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Zinc chloride 50%	A	A	A	A	A	A
Caustic soda 50%	A	A	A	A	A	A/D
Ammonia solution 25%	A/D	A/D	A/D	A/D	B/D	B/D
Hydrogen-peroxide 30%	A/D	C	A/D	C	C	C
N-Methyl-pyrrolidon	B/D	A/D	C	A/D	C	C
Methyl-methacrylate	A/D	A	A/D	A	C	C
Dimethyl-formamide	C	A/D	C	A/D	C	C
Sugar solution saturated	A	A	A	A	A	A



26 Chemical resistance of Sikafloor-400 N Elastic (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	C	A/D	C	A/D	C	C
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	C	C
4	C	A/D	C	A/D	C	C
4b	A/D	A/D	A/D	A/D	A/D	A/D
4c	A/D	A/D	A/D	A/D	C	C
5	C	A/D	C	B/D	C	C
5b	C	A/D	C	A/D	C	C
6	C	A/D	C	A/D	C	C
6b	C	A/D	C	A/D	C	C
7	C	A/D	C	A/D	C	C
7a	C	A/D	C	C	C	C
7b	A/D	A/D	A/D	A/D	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	C
8a	C	A/D	C	A/D	C	C
9	C	A/D	C	A/D	C	C
9a	C	A/D	C	A/D	C	C
10	A/D	B/D	A/D	B/D	A/D	A/D
11	A/D	A/D	A/D	A/D	A/D	A/D
12	A	A/D	A	A/D	A	A
13	C	A/D	C	A/D	C	C
14.1	A/D	A/D	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A/D	A/D	C	A/D	C	C
Lactic acid 30%	A/D	B/D	A/D	B/D	C	C
Na-Hypochlorit 4,4%	A/D	A/D	C	C	C	C



27 Chemical resistance of Sikafloor-410 (on Sikafloor-400 N Elastic) (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	C	A/D	C	A/D	C	C
2.1	A/D	A/D	A/D	A/D	C	C
3	A/D	A	C	A/D	C	C
4	C	A/D	C	A/D	C	C
4b	A/D	A/D	A/D	A/D	C	C
4c	A/D	A/D	A/D	A/D	A/D	C
5	B/D	A/D	C	A/D	C	C
5b	A/D	A/D	B/D	A/D	C	C
6	C	A/D	C	A/D	C	C
6b	C	B/D	C	B/D	C	C
7	A/D	A/D	A/D	A/D	C	C
7a	C	A/D	C	A/D	C	C
7b	C	C	C	C	C	C
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	C	A/D	C	A/D	C	C
9	A/D	A/D	A/D	A/D	B/D	C
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A	A	A/D	A/D	A/D	A/D
12	A	A	A	A	A	A
13	C	A/D	C	A/D	C	C
14.1	A	A	A/D	A/D	A/D	A/D
14.2	A	A	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	C	A/D	C	A/D	C	C
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	A/D
Na-Hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D

Construction



28 Chemical resistance of Sikafloor-20N PurCem (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
Apple juice	A/D	A/D	A/D	A/D	A/D	A/D
Beer	A	A	A	A	A	A/D
Cider vinegar	A/D	A/D	A/D	A/D	A/D	A/D
DIBT-Test Media 01	A/D	A	A/D	A	B/D	C
DIBT-Test Media 02.1	A	A	A	A	A	A
DIBT-Test Media 03	A	A	A	A	A	A
DIBT-Test Media 04	A	A	A	A	A	A
DIBT-Test Media 04b	A/D	A/D	A/D	A/D	A/D	A/D
DIBT-Test Media 04c	A	A	A	A	A	A
DIBT-Test Media 05	A	A	A	A	A	B/D
DIBT-Test Media 05a	A/D	A	A	A	B/D	B/D
DIBT-Test Media 06	A/D	A	A/D	A	B/D	B/D
DIBT-Test Media 06a	B/D	A	B/D	A	C	C
DIBT-Test Media 07	A	A	A/D	A	A/D	B/D
DIBT-Test Media 07a	A	A	A	A	B/D	C
DIBT-Test Media 07b	A	A	A	A	A	A/D
DIBT-Test Media 08	A/D	A	A/D	A/D	A/D	A/D
DIBT-Test Media 08a	A/D	A	B/D	A	C	C
DIBT-Test Media 09	A/D	A/D	A/D	A/D	A/D	A/D
DIBT-Test Media 09a	B/D	A/D	B/D	A/D	C	C
DIBT-Test Media 10	A/D	A/D	A/D	A/D	A/D	A/D
DIBT-Test Media 11	A	A	A	A	A	A/D
DIBT-Test Media 12	A	A	A/D	A	A/D	A/D
DIBT-Test Media 13	B/D	A/D	C	A	C	C
DIBT-Test Media 14	A/D	A	A/D	A	A/D	A/D
DIBT-Test Media 15	C	A	C	A	C	C
DIBT-Test Media 15a	A/D	A	A/D	A	A/D	B/D
Hydrochloric Acid - 37%	A/D	A/D	A/D	A/D	A/D	B/D
Hydrogenperoxide - 30%	A/D	A/D	A/D	A/D	A/D	A/D
Lactic Acid - 30%	A/D	A/D	A/D	A/D	A/D	A/D
Lactic Acid - 80%	A/D	A/D	A/D	A/D	A/D	A/D
Nitric Acid - 40%	A/D	A/D	B/D	A/D	B/D	C
Olive oil	A	A	A	A	A	A
Orange juice	A/D	A/D	A/D	A/D	A/D	A/D
Phosphoric Acid - 85%	A/D	A/D	A/D	A/D	A/D	A/D
Red wine	A/D	A/D	A/D	A/D	A/D	A/D
Rootbeet juice	A/D	A/D	A/D	A/D	A/D	A/D
Sodium Hypochlorite Solution - 6,2%	A	A/D	A	A/D	A/D	A/D
Sulphuric Acid - 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric Acid - 80%	A/D	A/D	B/D	A/D	C	C
White wine	A/D	A/D	A/D	A/D	A/D	A/D



29 Chemical resistance of Sikafloor-21 PurCem (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	A/D	A/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A/D	A/D	A/D	A/D	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A/D	A/D	A/D	A/D	A/D	A/D
4c	A D	A	A D	A	A/D	A/D
5	A/D	A	A/D	A/D	A/D	A/D
5b	A/D	A	A/D	A	A/D	A/D
6	A/D	A	A/D	A	A/D	A/D
6b	A/D	A	A/D	A	A/D	A/D
7	A/D	A	A/D	A	A/D	A/D
7a	A/D	A	A/D	A	A/D	B/D D
7b	A/D	A	A/D	A	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	B/D	A	B/D	A	C	C
9	A/D	A/D	A/D	A/D	A/D	B/D
9a	C	A/D	C	A/D	C	A/D
10	A/D	A/D	A/D	A/D	A/D	B/D
11	A/D	A	A/D	A/D	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	C	A/D	C	A/D	C	C
14.1	A/D	A/D	A/D	A/D	A/D	A/D
14.2	A/D	A/D	A/D	A/D	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A/D	A	A/D	A	A/D	A/D
Lactic acid 30%	A/D	A/D	B/D	A/D	C	C
Lactic acid 80%	A/D	A/D	A/D	A/D	A/D	C
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	A/D	B/D
Nitric acid HNO ₃ 30%	A/D	A/D	A/D	A/D	A/D	A/D
Nitric acid HNO ₃ 40%	A/D	A/D	A/D	A/D	A/D	B/D D
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	B/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	B/D	A/D	C	C
Sulphuric acid H ₂ SO ₄ 96%	B/D	A/D	B/D	A/D	C	C
Phosphoric acid H ₃ PO ₄ 85%	A/D	A/D	A/D	A/D	A/D	C
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D

Construction



30 Chemical resistance of Sikafloor-31 PurCem (on Sikafloor-20 PurCem) (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	A/D	A	A/D	A	A/D	A/D
2.1	A/D	A	A/D	A	A/D	A/D
3	A/D	A	A/D	A	A/D	A/D
4	A/D	A	A/D	A	A/D	A/D
4b	A/D	A/D	A/D	A/D	A/D	A/D
5	A/D	A	A/D	A	A/D	A/D
5a	A/D	A	A/D	A	A/D	A/D
6	A/D	A	A/D	A	A/D	A/D
6b	A/D	A	A/D	A	A/D	A/D
7	A/D	A	A/D	A	A/D	A/D
7a	A/D	A	A/D	A	A/D	B/D
7b	A	A	A/D	A	A/D	A/D
8	A/D	A/D	A/D	A/D	A/D	A/D
8a	B/D	A	B/D	A	C	C
9	A/D	A/D	A/D	A/D	A/D	A/D
9a	C	A/D	C	A/D	C	C
10	A/D	A/D	A/D	A/D	A/D	A/D
11	A/D	A	A/D	A	A/D	A/D
12	A/D	A	A/D	A	A/D	A/D
13	C	A/D	C	A/D	C	C
14.1	A/D	A	A/D	A	A/D	A/D
14.2	A/D	A	A/D	A	A/D	A/D
15	C	A/D	C	A/D	C	C
15a	A	A	A	A	A/D	A/D
Lactic acid 30%	A/D	A/D	A/D	A/D	A/D	B/D
Lactic acid 80%	A/D	A/D	A/D	A/D	A/D	B/D
Hydrochloric acid HCl 37%	A/D	A/D	A/D	A/D	A/D	B/D
Nitric acid HNO ₃ 30%	A/D	A/D	A/D	A/D	A/D	A/D
Nitric acid HNO ₃ 40%	A/D	A/D	A/D	A/D	A/D	B/D
Sulphuric acid H ₂ SO ₄ 60%	A/D	A/D	A/D	A/D	A/D	A/D
Sulphuric acid H ₂ SO ₄ 80%	A/D	A/D	A/D	A/D	C	C
Sulphuric acid H ₂ SO ₄ 96%	A/D	A/D	A/D	A/D	C	C
Phosphoric acid H ₃ PO ₄ 85%	A/D	A/D	A/D	A/D	A/D	A/D
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D

Construction



31 Chemical resistance of Sikagard-Wallcoat (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	B	A	C	A	C	C
2.1	A	A	A	A	A	A
3	A	A	A	A	A/D	A/D
4	A	A	A	A	A/D	C
4b	A/D	A/D	A/D	A/D	A/D	A/D
5	A	A	A	A	A	A
5b	A	A	A	A	A/D	A/D
6	A	A	C	A	C	C
6b	A	A	A	A	C	C
7	A	A	A	A	C	C
7a	A/D	A	A/D	A	C	C
7b	A/D	A	A/D	A	A/D	A/D
8	A	A	C	A	C	C
8a	A/D	A	C	A	C	C
9	C	A/D	C	A/D	C	C
9a	C	A	C	A	C	C
10	A/D	A/D	C	A/D	C	C
11	A	A	A	A	A/D	C
12	A	A	A	A	A/D	A/D
13	A/D	A	A/D	A	C	C
14.1	A	A	A	A	B/D	C
14.2	A	A	A	A	B/D	C
15	C	A	C	C	C	C
15a	C	A	C	A	C	C
Lactic acid 30%	C	A/D	C	A/D	C	C
Na-Hypochlorit 4,4%	A/D	C	A/D	C	A/D	A/D

Construction



32 Chemical resistance of Sikalastic-830 (at 20°C)

Test group	1 day		3 days		7 days	42 days
	Immersion	Spillage	Immersion	Spillage	Immersion	Immersion
1	C	A	C	A	C	C
2.1	A/D	A	A/D	A	A/D	B/D
3	A/D	A	A/D	A	A/D	A/D
4	C	A/D	C	A/D	C	C
4b	A/D	A	A/D	A	A/D	A/D
4c	A	A	A/D	A	A	B
5	C	A	C	A	C	C
5b	C	A	C	A	C	C
6	C	A	C	A	C	C
6b	C	A	C	B/D	C	C
7	C	A	C	A/D	C	C
7a	C	B/D	C	B/D	C	C
7b	A/D	A	A/D	A	B/D	B/D
8	A	A/D	A	A/D	A	B
8a	B/D	A	C	A	C	C
9	A	A	A/D	A	A/D	A/D
9a	C	A/D	C	A/D	C	C
10	A	A	A	A	A	A
11	A/D	A/D	A/D	A/D	A/D	A/D
12	A	A	A	A	A	A
13	C	A/D	C	A/D	C	C
14.1	A	A/D	A	A/D	A/D	A/D
14.2	A	A/D	A	A/D	A/D	A/D
15	C	A	C	A/D	C	C
15a	C	A	C	A	C	C
Silicon oil (Silopren S100)	A/D	A	A/D	A	A/D	A/D
Citric acid 50%	A	A	A	A	A	A/D
Lactic acid 90%	A/D	A	A/D	A/D	A/D	A/D
Hydrochloric acid HCl 32%	A/D	A/D	A/D	A/D	A/D	C
Nitric acid HNO ₃ 40%	A/D	A/D	A/D	A/D	A/D	C
Nitric acid HNO ₃ 65%	C	B/D	C	A/D	C	C
Sulphuric acid 30%	A	A	A	A	A	A
Sulphuric acid 50%	A	A	A/D	A	A/D	A/D
Aqueous Ammonia 25%	A/D	A	A/D	A	A/D	C
Sodium hydroxide NaOH 50%	A/D	A/D	A/D	A/D	A/D	A/D
Na-hypochlorit 4,4%	A/D	A/D	A/D	A/D	A/D	A/D

Construction

