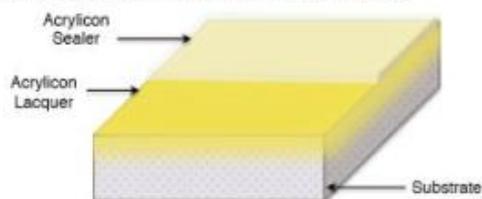


1kg Hähnchenfleisch

2. Product

2.1 Product description

The Acrylicon Lacquer System is a thin coating system. It consists of the same primer and sealer as our Variant System with a paint coat of colour as the body. This gives a hard wearing seal coat for the concrete that provides dust proofing, waterproofing, chemical protection and good aesthetics. Designed for sealing and colouring concrete, for example light engineering, car parks, plant rooms and other areas where a resin coating is required.



2.2 Application

Acrylicon sealer resins are transparent, solvent-free, medium viscosity and non-toxic when cured. The curing time is about 1 hour at 20°C/68°F (ambient). The lowest application temperature (substrate and material) is 5°C/41°F.

2.3 Technical Data

The technical properties of the AcryliCon system are evaluated to EN, ASTM or ISO standards and the results are average values, delivered under proper installation procedures and recommended conditions.

Characteristic	Data
Product thickness	0.5 mm
Area related mass of the product	1386 g/m ²
Compressive Strength EN196-1 (DIN1164), ASTM C349	-
Flexural Strength EN 196-1 (DIN1164) / ASTM C348	-
Water Permeability DIN / EN 1062-3:2008	<0.001 kg/(m ² .h.0.5)
Tensile Adhesion Strength DIN / EN 1542:1999	Concrete: >2.0 MPa Steel: >2.0 Mpa
Slip Resistance ASTM C1028 (SCOF)	Dry: 0.84 Wet: 0.85
Temperature Resistance	Tolerant of sustained temperatures up to 65°C/149°F
Abrasion Resistance EN ISO 5470-1 (Taber)	<1000 mg (average mass loss)
Chemical Resistance EN13529	-
Fire Class EN 13501-1	-
Shore Hardness DIN 53505, ISO 868, ASTM D2240	80D
Resin Viscosity 20°C DIN 53015	60-80 mPa.s
Resin Density 20°C DIN 51757	0.995g/cm ³

5. LCA: Results

The following tables show the results of the indicators of the impact assessment, the resource input as well as the waste materials and other output-flows. The here shown results refer to the declared unit.

Description of the system boundary (X = Included in LCA; MND = Module not declared)																
Product stage			Construction process stage		User stage							End of life stage				Benefits and loads beyond the system boundaries
Raw material supply	Transport	Manufacturing	Transport from manufacturer to place of use	Construction-installation process	Use	Maintenance	Repair	Replacement	Refurbishment	Operational energy use	Operational water use	De-construction / demolition	Transport	Waste processing	Disposal	Reuse-Recovery-Recycling-potential
A1	A2	A3	A4	A5	B1	B2	B3	B4	B5	B6	B7	C1	C2	C3	C4	D
x	x	x	X	X	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	MND	X
Results of the LCA – Environmental impact: 1 m ² - Lacquer System																
Parameter	Unit	A1 – A3		A4	A5	D										
Global warming potential	[kg CO ₂ -Eq.]	5.13E+00		8.28E-02	1.16E+00	1.23E-01										
Depletion potential of the stratospheric ozone layer	[kg CFC11-Eq.]	8.80E-11		5.88E-13	1.88E-09	1.52E-13										
Acidification potential of land and water	[kg SO ₂ -Eq.]	1.30E-02		3.80E-04	1.59E-03	5.78E-05										
Eutrophication potential	[kg (PO ₄) ³⁻ -Eq.]	2.02E-02		9.14E-05	9.90E-04	1.24E-05										
Formation potential of tropospheric ozone photochemical oxidants	[kg Ethen-Eq.]	7.56E-04		-1.28E-04	1.33E-04	3.50E-06										
Abiotic depletion potential for non fossil resources	[kg Sb-Eq.]	5.76E-06		5.69E-09	9.04E-07	2.67E-09										
Abiotic depletion potential for fossil resources	[MJ]	1.24E+02		1.13E+00	1.49E+01	7.50E-02										
Results of the LCA – Resource use: 1 m ² - Lacquer System																
Parameter	Unit	A1 – A3		A4	A5	D										
Renewable primary energy as energy carrier	[MJ]	IND		IND	IND	IND										
Renewable primary energy resources as material utilization	[MJ]	IND		IND	IND	IND										
Total use of renewable primary energy resources	[MJ]	5.58E+00		6.46E-02	4.92E+00	1.33E-02										
Non renewable primary energy as energy carrier	[MJ]	IND		IND	IND	IND										
Non renewable primary energy as material utilization	[MJ]	IND		IND	IND	IND										
Total use of non renewable primary energy resources	[MJ]	1.28E+02		1.13E+00	1.80E+01	8.30E-02										
Use of secondary material	[kg]	IND		IND	IND	IND										
Use of renewable secondary fuels	[MJ]	IND		IND	IND	IND										
Use of non renewable secondary fuels	[MJ]	IND		IND	IND	IND										
Use of net fresh water	[m ³]	5.14E-02		3.59E-03	4.15E-02	5.56E-04										
Results of the LCA – Output flows and waste categories: 1 m ² - Lacquer System																
Parameter	Unit	A1 – A3		A4	A5	D										
Hazardous waste disposed	[kg]	2.61E-07		4.08E-07	1.25E-08	6.70E-10										
Non hazardous waste disposed	[kg]	6.84E+00		6.13E-03	5.73E+00	2.56E-02										
Radioactive waste disposed	[kg]	1.36E-03		2.41E-06	1.23E-03	3.21E-06										
Components for re-use	[kg]	IND		IND	IND	IND										
Materials for recycling	[kg]	IND		IND	IND	IND										
Materials for energy recovery	[kg]	IND		IND	IND	IND										
Exported electrical energy	[MJ]	IND		IND	IND	IND										
Exported thermal energy	[MJ]	IND		IND	IND	IND										