

Declaration Form

SIA 493.08

Waterproofing membranes and protection sheets

Form for recommendation SIA 493
 Declaration of environmental attributes of building products (edition 1997)

0 Product identification					
01 General details	Product	Sarnafil S 327-12 EL	Manufacturer (or retailer) Sarnafil International AG		
	Declared by:	Date:	Classification:		
	Mark Schneider	20.10.2004	(in accord. with SIA 280 4 51 4 52)		
02 Definition of the declaration domain	021 Coatings and surface treatments	<input checked="" type="checkbox"/> none			
		<input type="checkbox"/> as firm components of the product	<input type="checkbox"/> available as alternative product		
		<input type="checkbox"/> declared in the present form	<input type="checkbox"/> declared separately in acc. with 493.14		
	022 Composite materials such as laminations, substrates, reinforcements	<input type="checkbox"/> none			
		<input checked="" type="checkbox"/> as firm components of the product	<input type="checkbox"/> available as alternative product		
		<input checked="" type="checkbox"/> declared in the present form	<input type="checkbox"/> declared separately in acc. with 493.14		
04 Physical features	041 Gross density	<input type="text" value="1280"/> kg/m ³			
	042 Mass per area	from <input type="text" value="1.5"/> to <input type="text"/> kg/m ²			
1 Manufacture					
11 Composition (sum of all details: 100 % mass)		Primary raw mat. (mass %)	Recycled (mass %)	More detailed description	
	111 raw materials growing again				
	112 Physically prepared mineral materials	9.6		Fillers	
	113 Thermally prepared mineral materials				
	114 Base chemicals				
	115 Artificial and similar materials	87.4		PVC, Plasticizers, PET Carrier	
	116 Metal and metal compounds	3		Stabilizers, Color Pigments, Fire Retardant	
	117 Other non classifiable materials				
	118 Water				
12 Solvent emissions	121 Coatings and surface treatments (including degreasing stripping, cleaning, priming, laminating)	<input checked="" type="checkbox"/> none			
		<input type="text"/> g/m ²	<input type="checkbox"/> LRV-class 3 (TA-air III)	<input type="checkbox"/> LRV-class 2 (TA-air II)	<input type="checkbox"/> LRV-class 1 (TA-air I)
		Pre-treatment		
		Surface treatment		
	122 Bonding of combined materials such as laminations, substrates, reinforcements	<input checked="" type="checkbox"/> none			
		<input type="text"/> g/m ²	<input type="checkbox"/> LRV-class 3 (TA-air III)	<input type="checkbox"/> LRV-class 2 (TA-air II)	<input type="checkbox"/> LRV-class 1 (TA-air I)

13	Grey energy	131 Availability of principles for calculation	<input type="checkbox"/>	not available	<input checked="" type="checkbox"/>	available by enquiry
		132 Cumulative primary energy per unit of mass	<input style="width: 40px;" type="text" value="63.2"/>	MJ/kg (total)	<input style="width: 40px;" type="text" value="5.2"/>	% proportion of recyclable energy supporters
		133 Valid area of details	<input checked="" type="checkbox"/>	All components of the product are considered.		
			<input type="checkbox"/>	The following components of the product are not considered:		

2 Processing

22 Solvent emissions	221 Bonding of the product	<input checked="" type="checkbox"/>	Solvent-free application possible						
		<input style="width: 40px;" type="text"/>	g/m ²	<input type="checkbox"/>	LRV-class 3 (TA-air III)	<input type="checkbox"/>	LRV-class 2 (TA-air II)	<input type="checkbox"/>	LRV-class 1 (TA-air I)

3 Usage

31 Relevant environmental and toxicological components	<input type="checkbox"/>	none	<input type="checkbox"/>	Information not available
--	--------------------------	------	--------------------------	---------------------------

Chemical description (nomenclature in accordance with Toxic substances list 1)	Proportion mass in product (in %)	Toxic group in acc. with Toxic substances list ¹⁾	R-phrases in accord. with EU-law ²⁾	Hazardous for the ozone layer (R59)
Antimonytrioxide	1.28	4	40	No
Diphenyldecilphosphite	0.22		51/ 53	No

- 1) To be declared – materials from class 1 – 4
- 2) To be declared – the following R-phrases:
- | | |
|---|---|
| R22 Harmful if swallowed | R47 Can cause deformities |
| R25 Toxic if swallowed | R48 Danger of serious damage to health with prolonged exposure |
| R28 Very toxic if swallowed | R50 Very toxic to aquatic organisms |
| R33 Danger of cumulative effects | R51 Toxic to aquatic organisms |
| R39 Danger of very serious irreversible effects | R52 Harmful to aquatic organisms |
| R40 Possibility of irreversible effects | R53 May cause long-term adverse effects in the aquatic environment. |
| R45 May cause cancer | |
| R46 May cause heritable genetic damage | |

4 Waste management

41 Utilisation	411 Usability	<input checked="" type="checkbox"/>	Return and utilisation guaranteed (Terms of return available from the manufacturer)				
		<input type="checkbox"/>	Not utilisable	<input type="checkbox"/>	scheduled		
42 Combustion	421 Harmful content of combustible building materials	<input type="checkbox"/>	not relevant, since not combustible		<input type="checkbox"/>	Information not available	
		<input type="checkbox"/>	Fallen short of maximum values		<input checked="" type="checkbox"/>	Maximum values exceeded	

5 Additional information available	<input type="checkbox"/>	Separate sheet attached
------------------------------------	--------------------------	-------------------------

November 1997	For further information on the product please contact: Name: Mark Schneider, Sarnafil International AG Address: Industriestrasse, CH-6060 Sarnen Telephone: ++41 41 666 99 04
---------------	--