

Environmental declaration of building products - Thermal insulation

This declaration is set up in concordance with the guidelines established by the BYKR and the insulation material producers.



Product group: *Elastomere*

Decl. No : 1

Product:

- A: AF/Armaflex E: Armaflex IT H:
- B: SH/Armaflex F: J:
- C: NH/Armaflex G: K:
- D: HT/Armaflex

Set up date: 30.10.98
Revised : 23.05.2001

Manufacturer information Appendix:

Producer: Armacell GmbH, Münster
Contact person: H. Schön
Environmental policy: Yes
Certification: Yes **Cert. No:** DE-V-0105-0013

Supplier: _____
Contact person: _____
Environmental policy: _____
Certification: _____ **Cert. No:** _____

Product information Appendix: B

Field of application: thermal insulation
Eco-labelling: No

Density, ρ : 40 - 80 kg/m³
Thermal conductivity, λ : A + B: 0,040 W/(mK) at 40°C mean temperature
 C + D: 0,045 W/(mK) at 40°C mean temperature
 E: 0,042 W/(mK) at 40°C mean temperature
Functional unit, fe: 122g/1kg Armaflex

Reg. No: -

Declaration of content Appendix:

	COMPONENTS	QUANTITY	REMARKS	
Basic product	Contents:	g/kg		
		Polymer		150
		Thermoplast		100
		Filler + Carbonblack		370
		Plasticizer		200
		Cure + blowing agent		150
		wax + lubricants		30
	Sum g/kg :	1000	(75g evaporate)	
Miscellaneous				
Add. for product A, B and E	Adhesive tape		self-seal Polyolefine-foil	

- Data are stated per kg product as it is supplied.
 - (b) = listed on Kl:s begr-lista. (o) = listed on Kl:s obs-lista.

Environmental declaration of building products - Thermal insulation

This declaration is set up in concordance with the guidelines established by the BYKR and the insulation material producers.

No	PART OF LIFE CYCLE	RAW MATERIALS			ENERGY		EMISSIONS		IMPACT on ground
		Renew.	Non Renewable	Quantity	source	quantity	to water	to air	
1	MATERIALS, ADDITIVES, etc.								Appendix:
1.1	Raw materials/ingredients:			g/kg		MJ/kg			na
					↑		↑	↑ ¹⁾	
	(adhesive + cover paper per kg Armaflex tape, when the density of AF is appr. 65g/l)								
1.2	Additives								
1.3	Recycled materials								
	internal recycled Armaflex waste is approx.			45 g/kg	↓	0,15 MJ/kg	↓	↓	
					Sum:	0,15 MJ/kg			
1.4	Origin of 1.1 - 1.3	Sweden:	-						
		Europe:	Germany,UK,France	75%					
		Other:	USA,Asia China	25%					
	Miscellaneous								
2	PRODUCTION								Appendix:
2.1	Production process								
	(emission quotas exist)								
					Electricity	3,46 MJ/kg		fr raw materials: g/kg	fr raw materials: g/kg
					Gas	5,47 MJ/kg		NO _x 0,27	
								CO 0,054	
								CO ₂ 0,30	
								SO ₂ 0,0016	
					Sum:	8,93 MJ/kg		Sum: 0,6256	Sum: zz g/kg
								from energy:	
								Sum: zzz g/kg	

na": not available

- Data are stated per kg product as it is supplied.

- 1) = Data from EU-report for eco-labelling, published by dk-Teknik, Denmark. Energy data are reported as net-energy.

- (b) = listed on KI:s begr-lista. (o) = listed on på KI:s obs-lista.

Environmental declaration of building products - Thermal insulation

This declaration is set up in concordance with the guidelines established by the BYKR and the insulation material producers.

No	PART OF LIFE CYCLE	INFORMATION AND DATA
7 REST PRODUCTS		
Appendix:		
7.1	Reuse	not reusable
7.2	Material recycling	clean production waste can be granulated for production use
7.3	Energy extraction	not possible
8 WASTE PRODUCTS		
Appendix:		
8.1	Landfilling	noncompostable can be tipped (in Germany: EAK 070299; LAGA 57501)
9 INDOOR CLIMATE		
Appendix:		
9.1	Eco-label, indoor climate Allergenic substances	Contact allergens: na Respiratory allergens: na
9.2	Building process	store, handle and built in protected from taste
9.3	Product emissions (Chamber or FLEC method)	TVOC: < zz µg/m ² h. single VOC's: no datas available
9.4	Adjacent material	no impact on most important building products
9.5	References for recommendations acc to 9.4	
9.6	Service and maintenance	no maintance required
9.7	Noise level	na
9.8	Magnetic and electric fields	na
OTHER INFORMATION		
Appendix:		

na": not available