

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, A + B: λ : 0,040 W/(mK) at 40°C mean temperature
 C + D: λ : 0,045 W/(mK) at 40°C mean temperature
 E: λ : 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.

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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
			Polymer	150	↑		↑	↑ ¹⁾	
			Thermoplast	100					
			Filler + Carbonblack	370					
			Plasticizer	200					
			Cure + blowing agent	150					
			wax + lubricants	30					
	(adhesive + cover paper per kg Armaflex tape, when the density of AF is appr. 65g/l)		Adhesive tape	750	na		na	na	
1.2	Additives		na						
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: Other:	- Germany,UK,France USA,Asia China	75% 25%					
	Miscellaneous								
2	PRODUCTION								Appendix:
2.1	Production process (emission quotas exist)						fr raw materials: g/kg	fr raw materials: g/kg	
					Electricity	3,46 MJ/kg	NO _x	0,27	
					Gas	5,47 MJ/kg	CO	0,054	
							CO ₂	0,30	
							SO ₂	0,0016	
					Sum:	8,93 MJ/kg	Sum:	0,6256	
							from energy:		
							Sum:	zzz g/kg	

na": not available

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

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No	PART OF LIFE CYCLE	INFORMATION AND DATA
3	DISTRIBUTION OF END PRODUCT	Appendix:
3.1	Place/country of production	Germany: Münster, Zeulenroda Great Britain: Oldham Italy: Trezzano Spain: Begur Poland: Sroda Slaska
3.2	Means of transportation	on road (almost always)
3.3	Distribution systems	via own wholesalers/retailer stock, on palets or single carton
3.4	Packing	cardboard carton
4	THE CONSTRUCTION PHASE	Appendix:
4.1	Production	Package can be handled manually
4.2	Product tailoring	cut to fit, cutting to size with knife
5	THE SERVICE PHASE	Appendix:
5.1	Function Energy and discharge Noise	reduce energy consumption and combustion gases Sound absorption is given
5.2	Maintenance	no maintainance required
5.3	Life span (durability)	in corospondence with Technical Installations
6	DEMOLISHING	Appendix:
6.1	Dismounting	easy to lift out

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