

## EC-Declaration of Conformity



I, the undersigned, the legal representative of

**Bitufa Waterproofing B.V**  
Vlijtweg 4  
8191JP, Wapenveld  
The Netherlands

Hereby declare that the product **Flexobit Grey** meets the requirements of the following EC Directive:

**EN 13970**

**“Flexible sheets for waterproofing – Bitumen water vapour control layers”**

In conformity with the standard EN 13970, the initial type test, which on subject to a certification by a notified laboratory, has been carried out by:

**BDA Keuringsinstituut B.V**



**Bitufa Waterproofing B.V.**

Roeland van Delden Msc.  
CEO

19-11-2010



**EN 13970**

## Technical Documentation

- **Product trade name:** Flexobit Grey
- **Harmonized technical specification:** EN 13970:2004
- **Manufacturer:** Bitufa Waterproofing B.V.
- **Product description:** 1 m x 5 m x 5 mm; SBS modified bitumen sheet without any reinforcement, top side finished with sand, bottom side finished with foil
- **Product application:** torchable
- **General conditions for product application, storage and transport:**
  1. The rolls should be protected against moisture and exposure to sunlight.
  2. The rolls shouldn't be stored near a source of heat.
  3. The rolls should be stored flat.
- **Technical approvals:**



- **Quality standards:** Bitufa Waterproofing B.V is approved to ISO 9001:2008 by an internationally recognized Accreditation body.



**EN 13970**

## Technical Datasheet

Characteristic	Test method	Units	Expression of result	Value or statement
Water tightness to liquid water	EN 1928	-	Pass	Pass
Tensile properties: Maximum tensile force elongation	EN 12311-1	N/50 mm %	MDV MDV	30 ± 4 400 ± 15
Durability of watertightness against artificial ageing	EN 1296 and EN 1931	-	Pass	Pass
Resistance to tear (nail shank)	EN 12310-1	N	MDV	≥ 50
Impact resistance: Aluminium EPS 150	EN 12691	mm mm	MLV MLV	500 2000
Low temperature flexibility	EN 1109	°C	MLV	-20
Water vapour transmission	EN 1931	-	MDV	μ = 50.000
Reaction to fire	EN 13501-1	-	Euroclass	F
Length	EN 1848-1	m	MLV	5,0
Width	EN 1848-1	m	MLV	1,0
Thickness	EN 1849-1	mm	MDV	5,0 ± 0,3
Mass	EN 1949-1	kg/m <sup>2</sup>	MDV	5,4 ± 0,54
Straightness	EN 1848-1	-	Pass	Pass
Visible Defects	EN 1850-1	-	Visible defects	no visible defects

## ADDITIONAL TESTS

Characteristic	Test method	Units	Expression of result	Value or statement
Flow Resistance at elevated temperature	EN 1110	°C	MLV	95
Tensile strength at 750% elongation	NEN ISO 37	N/mm <sup>2</sup>	MDV	0,4 ± 0,2
Elongation at break	NEN ISO 37	%	MLV	1000

MLV = Manufacturers Limiting Value  
MDV = Manufacturers Declared Value

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