

ARCO RFC waterproofing membrane Technical Data Sheet

**Compound
APP**

**Flexibility
-5**

rev. 05/2017

DESCRIPTION

ARCO RFC are prefabricated modified polymer-bitumen membranes whose compound is composed of distilled bitumen and special polymers which provide particular characteristics of adhesion & workability, reinforced with a Woven non Woven polyester fabric with reinforcing threads. The modified compound offers good ageing properties, cold flexibility, durability and elasticity.

ARCO RFC are supplied with mineral slate chips which are available in natural or coloured version. This mineral finish acts as a weathering surface and enhances the aesthetics after application. A 10 cm side selvedge and a 15 cm end lap selvedge is provided to allow easy alignment of the membrane during application.

The lower face of **ARCO RFC** is backed by a special polyethylene burn-off film which melts during torching and prevents the roll from sticking to itself. The correct application temperature is visible from the embossed surface of the membrane which is below the burn off film, when the correct temperature is reached, this embossment melts also helping vapour diffusion and avoiding blistering.

FIELD OF USE

ARCO RFC, due to the polyester reinforcement doubled with glass fibre reinforcing threads, offers a better dimensional stability, a good static and dynamic puncture resistance, tensile strength, both longitudinal and transversal, and ultimate elongation.

ARCO RFC is specially indicated for use as a re-furbishment layer over existing old bituminous waterproofing membranes, especially those with mineral slate finish considering the excellent characteristics of adhesion and workability.

Technical properties	M.U.	ARCO RFC	Tolerances
Reinforcement		polyester	
Roll length (EN 1848-1)	m	10	± 0,2 %
Roll width (EN 1848 –1)	m	1	± 1 %
Nominal weight (EN 1849 – 1)	kg/m ²	5 / 5,5	± 7 %
Cold flexibility (EN 1109)	°C	-5	-
Tensile strength (EN 12311-1)			
-longitudinal	N/ 5 cm	650	± 20 %
-transversal		500	
Ultimate elongation (EN 12311-1)			
-longitudinal	%	45	± 20 %
-transversal		45	
Peel resistance of joints (EN 12316)	N	500	± 20 %
Dimensional stability (EN 1107 –1)	%	0,2	max
Flow resistance (EN 1110)	°C	110	min
Resistance to static loading (EN 12730)	kg	15	min
Watertightness (EN 1928)	Kpa	60	min
Reaction to fire (EN 13501-1)	Class	F	