

BITUVER X-5



The waterproofing membranes of the **BITUVER X-5** family are made with elastoplastomeric compound (BPP), characterised by a reduced mineral load and cold flexibility of -5°C .

They are reinforced in glass cloth or in reinforced polyester glass fabric. BITUVER X-5 4 MM P is also available in the "TEX" version with "DECOTEX" treatment consisting in the application of a special black colour polypropylene fabric on the surface.

BITUVER X-5 MINERAL is available with natural or coloured slate.



Application

- Use the PPE required by the law
- Adequately clean the support
- We always recommend preparing the support with bituminous primer Bituver ECOPRIVER
- BITUVER X-5 is suitable for torch application by heating the lower coated surface of a special heat melt film with a propane gas torch.
- Always apply between $+5^{\circ}\text{C}$ and $+35^{\circ}\text{C}$

Recommended uses

The Bituver X-5 membranes can be used on any type of covering: substrates, earth retaining walls and foundations. Also ideal under heavy protection. Both the smooth version (after protective painting) and the MINERAL version can be used as a finishing layer. The MINERAL version is also suitable for undertile use

Storage

Store the rolls indoors, protected from sunlight and at a temperature no lower than $+5^{\circ}\text{C}$. Keep the rolls in a vertical position. If possible, avoid stacking the pallets. We recommend using the product within 2-3 months from delivery.

Saint-Gobain PPC Italia S.p.A.

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CODE: STCB 414
 REVISION: 03
 DATE: APRIL 2019

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Type	Reinforcement	Surface finish:	Thickness.- weight/m ²	m ² /Pallet
BITUVER X-5 3 KG V	Glass tissue	Sand	3 kg	300
BITUVER X-5 4 KG V	Glass tissue	Sand	4 kg	250
BITUVER X-5 3 MM P	Polyester	Sand	3 mm	250
BITUVER X-5 4 MM P	Polyester	Sand	4 mm	230
BITUVER X-5 TEX 4 MM P	Polyester	TNT Polypropylene	4 mm	230
BITUVER X-5 MINERAL 4 KG P	Polyester	Slate chips	4 kg	250
BITUVER X-5 MINERAL 4.5 KG P	Polyester	Slate chips	4.5 kg	230

Dimensional Specifications

Length	10 m - 1% (UNI EN 1848-1)	Tol. ≥
Width	1 m - 1% (UNI EN 1848-1)	Tol. ≥
Thickness	UNI EN 1849-1	Tol. 0.2 mm
Weight per m ²	UNI EN 1849-1	Tol. 10%

Technical Data

Characteristic	Regulation	Bituver X-5			Tolerance
		Bituver X-5 V	Bituver X-5 P	MINERAL P	
Visible defects	UNI EN 1850-1	absent	absent	absent	-
Straightness	UNI EN 1848-1	10 mm	10 mm	10 mm	≤
Waterproof rating	UNI EN 1928	60 kPa	60 kPa	60 kPa	≥
Cold flex.	UNI EN 1109	- 5°C	- 5°C	- 5°C	≤
Dimensional stability L	UNI EN 1107 -1	NPD	- 0.3%	- 0.3%	≤
Stability of shape when hot	EN 1110	120°C	120°C	120°C	≤
Stability of shape when hot after ageing	UNI EN 1296 UNI EN 1110	110°C	110°C	110°C	- 10°C
Tensile breaking strength L/T	UNI EN 12311-1	300/200 N/50 mm	400/300 N/50 mm	400/300 N/50 mm	- 20°C
Joints tensile breaking strength L/T	UNI EN 12317-1	-	350/250 N/50 mm	-	- 20°C
Elongation at break L/T	UNI EN 12311-1	2%/20%	35%/40%	35%/40%	- 15 v.a. (P) - 2 v.a. (V)
Tear strength (method B) L/T	UNI EN 12310-1	70/70 N	140/140 N	140/140 N	- 30 %
Static load strength	UNI EN 12730	NPD	10 kg	10 kg	≥
Dynamic impact strength	UNI EN 12691	NPD	700 mm	700 mm	≤
Vapour permeability	UNI EN 1931	μ 20000	μ 20000	μ 20000	-

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<u>Characteristic</u>	<u>Regulation</u>	<u>Bituver X-5 V</u>	<u>Bituver X-5 P</u>	<u>Bituver X-5 MINERAL P</u>	<u>Tolerances</u>
UV Ageing	UNI EN 1297	-	Passes the test (4 mm)	-	-
Reaction to fire	EN 13501-1	E	E	E	-
External fire resistance	EN 13501-5	F roof	F roof	F roof	-
Adhesion of the granules	UNI EN 12039	-	-	30%	≤
Waterproof rating after exposure to chemical agents/ artificial ageing	UNI EN 1928 UNI EN 1847/ UNI EN 1296	NPD	NPD	-	-
Water penetration resistance	UNI EN 1928	-	-	CLASS W1	-
Water penetration resistance Tensile properties after artificial ageing	App. C EN 13859-1	-	-	NPD	-
Intended use	EN 13707 System 2+	Substrate, intermediate layer	Substrate. Intermediate layer Finishing layer (4 mm) (*) Under heavy protection (4mm)	Finishing layer	-
	EN 13969 System 2+	Foundations Retaining walls	Foundations Retaining walls	-	-
	EN 13859-1 System 4	-	-	Undertile	-

(*) with protective paint

The Saint-Gobain PPC Italia S.p.A. quality system is EN ISO 9001 certified.
The products presume suitable application and storage methods.

The CE Marking of this bituminous membrane complies with European regulation 305/2011, complies with the reference technical regulations and is supported by certificate No. 1370-CPR-0050 and by test report No. 51-07-0049\004 issued on 16 May 2007 by TUM Centre For Building Materials Baumbachstraße, Notified Testing Laboratory No. 1211
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