



# ChovA

SISTEMAS DE IMPERMEABILIZACIÓN  
Y AISLAMIENTO

## ChovATERM® XPS-40 COMBI 50/G

MODIFIED BITUMEN WITH ELASTOMER (SBS) SHEET  
COMPLEX - **POLITABER**  
WITH THERMAL INSULATION (XPS)

TECHNICAL FILE Nº 35005 - REVIEW 8/13  
THIS REVIEW CANCELS ALL PREVIOUS

### PRODUCT.-



**ChovATERM®** is a complex formed by a thermal insulation, with strips cut from XPS panels–**ChovAFOAM**, thermally adhered to bituminous sheets of modified with elastomers bitumen - **POLITABER**.

**ChovATERM®** is presented in rolls of dimensions 6 X 1 m (Length X Width) for 40mm insulation thickness. The insulation strips have 4 cm thickness and approximately 5 cm width. And its 92 cm long, is the corresponding to allow 8 cm free overlap.

Components characteristics are described in Technical files of the corresponding products, **ChovAFOAM** and **POLITABER**

### **THERMAL INSULATION.**

Extruded polystyrene rigid foam plates with closed cell structure. Corresponds to **ChovAFOAM 300 M40** panel characteristics.

### **WATERPROOFING SHEET.**

Elastomer modified bitumen, SBS sheet. Corresponds to **POLITABER VEL 50/G** sheets characteristics.

Notes.- The complex components products, insulation and related bituminous sheet, have the compulsory product CE trade and quality mark, AENOR, according to the respective UNE EN Standards. Although complex, consisting of two distinct components, cannot has CE trade, as it is not a "product" but a complex. Equivalently, also has not AENOR.

**ChovATERM** applying system is always by mechanical fastening. Fasteners types and application instructions are details in specific brochures. Request them for a correct implementation.

Insulation requirements and waterproofing sheets composition are made according to applicable regulations general requirements. To this end, it may use another insulation panels layer and / or sheets, if required by the specification, to meet DB and DB-HE-HS requirements.

Date: 15<sup>th</sup>, December 2013

Provided information matches up with data obtained in our own laboratories and/or accredited external laboratories. This product will maintain these characteristics on average. **ChovA, S. A.** reserves the right to modify or cancel any parameter without previous notice. **ChovA, S. A.** guarantee is limited to the product quality. As for commissioning work, which do not participate, the product installation instructions must be followed carefully. Soundproofing values may differ from those shown here due to improper execution of work. This technical file will be voided by subsequent revisions and, if in doubt, request the latest revision.



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### COMPLETE INFORMATION OF ChovAFOAM 300 M40 INSULATING PANELS



View "Declaración de Prestaciones – DoP" in: DoP\_E\_81910A\_13164\_CHOVAFOAM300M40\_v02 (And other references)

View CE Trade, complete, in: DoP\_E\_81910A\_13164\_CHOVAFOAM300M40\_v02 (And other references)

**ASFALTOS CHOVA, S.A.**

**Ctra. Tavernes a Liria, km 4,3. 46760 TAVERNES DE LA VALLDIGNA. Valencia**

Panel description:

Extruded polystyrene rigid foam panel, XPS, closed cell structure, usable as thermal insulation.

Uses according: Standard **EN 13164**, "CEC" of CTE. (**Constructive Elements Catalogue**) and **UNE 104401**

**Extruded polystyrene thermal insulating panel, XPS, 40 mm thick. The strips are obtained from this panel.**

**Recommended use: according ChovATERM system.**

**Do not use at temperatures higher than 65 °C.**

**STORAGE: with the original presentation and rolls protected from sun (UV rays).**

CHARACTERISTIC	VALUE	UNIT	STANDARD
<b>Reaction to fire. Euroclasses characteristics</b>	<b>Class E</b>	--	EN 13501-1
<b>Combustion with continuous incandescence.</b> (Test method under development. Value will be defined when applying the Standard)	NPD		PrEN xxx
<b>Water vapour permeability. Water vapour transmission</b>	<b>80</b>	<b>(μ)</b>	EN 12086
<b>Thermal Resistance. Thermal Conductivity</b>	Thickness mm	R <sub>D</sub>	EN 12667 / 12939
$\lambda_D = 0,034 \text{ m K / W, de } 40 \text{ mm}$	40	1,20	m <sup>2</sup> K / W
<b>Water permeability. Long-term water absorption</b>	≤ 0,7	%	EN 12087
<b>Compression resistance. Compressive contraction in compression resistance</b>	≥ 300	kPa	EN 826
<b>Traction / bending resistance. Traction resistance perpendicular to the faces</b>	≥ 900	(σ <sub>m</sub> TR900)	EN 1607
<b>Reaction to fire durability regarding heat or weathering exposure, aging / degradation</b>	NPD		
<b>Thermal resistance durability regarding heat or weathering exposure, aging / degradation</b>	NPD		
<b>Compression resistance durability regarding aging/degradation</b>	NPD		
<b>CE DESIGNATION CODE</b>	<b>EN 13164 -T1-DS(70,-) – DS (23,90) -DLT(2)5-CS(10/Y)300 - WL(T)0,7.)</b>		

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### COMPLETE INFORMATION OF POLITABER COMBI 50/G SHEET



View "Declaración de Prestaciones – DoP" in: DoP\_E\_37453\_13707\_POLITABERCOMBI50G\_v01

View CE Trade, complete, in: DoP\_E\_37453\_13707\_POLITABERCOMBI50G\_v01

**ASFALTOS CHOVA, S. A.**

**Ctra. Tavernes a Liria, km 4,3. 46760 TAVERNES DE LA VALLDIGNA. Valencia**

Sheet description:

Modified with elastomers bitumen sheet, of 5 kg/m<sup>2</sup>, with reinforced polyester felt armor, grey slate outer finish.  
Seal by adhesion by blowtorch. In "mechanical fixed" to the support systems

**Recommended use for: monolayer system out in the open sheet; monolayer in sloping roof,  
under mortared tiles or with battens.**

**Not recommended use: upper layer in green roofs.**

TEST	METHOD	VALUE	UNIT	TOLERANCE
Behaviour facing external fire:	EN 13501-5 : 2002	B <sub>ROOF</sub> (t1)	A. Chova documentation, verified by AENOR	
Reaction to fire:	EN 13501-1 : 2002	Class E		
Tightness:	EN 1928 : 2000	Pass		
Traction resistance in:				
- longitudinal direction:	EN 12311-1 : 1999	700	N / 5 cm	± 200
- transversal direction:		450		± 150
Elongation in:				
Longitudinal direction:	EN 12311-1 : 1999	35	%	± 15
Transversal direction:		35		± 15
Resistance to roots (penetration of):	EN 13948 : 2007	PND		
Static load resistance:	EN 12730 : 2001	≥ 15	kg	
Impact resistance:	EN 12691 : 2006	1.000	mm	
Tear resistance:	EN 12310-1 : 1999	--		
Joints resistance: (To cutter)	EN 12317-1 : 1999	450	N / 5 cm	± 150
Durability:	EN 1296 : 1999			
(Plyability)	EN 1109 : 1999	-5	°C	± 5
(Flow resistance)	EN 1110 : 1999	100	°C	± 10
Plyability:	EN 1109 : 1999	≤ -15	°C	
Dangerous substances:	--	PND		

Note -. For further products information, insulation or sheet, may consult the "DoP" or Technical Data Sheets of such products.

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