

INFORMATION ABOUT INSULATING PANELS ChovAPIR VV



10
EN 13165:2012

ASFALTOS CHOVA, S.A.
Ctra. Tavernes a Liria, km 4,3. 46760
TAVERNES DE LA VALLDIGNA. Valencia



Panel description: Insulating panel made of rigid polyisocyanurate (PIR) foam covered with a glass veil on both sides. Thermal insulation panel made of rigid polyisocyanurate foam, PIR, 1,200 mm x 2,500 mm and thickness according to type.

Recommended as: thermal insulation in buildings as a support for waterproofing in metal deck-type roofs or other conventional-type roofs (waterproofing above the insulation) of non-passable use. Or conventional roofs for non-intensive pedestrian use, with exclusive pedestrian use.

Properties: closed cell product (although not suitable for inverted roofs), thermosetting (it does not melt or drip), free of CFC's and HCFC's and great internal cohesion (it does not delaminate) and flame resistant.

TECHNICAL FEATURES

| CONCEPT | SYMBOL | STANDARD REF. | DECLARED VALUE ± Tolerance: | UDS. | LEVEL/CLASS | OBSERVATIONS | |
|-----------------------------------------------------------------------------------------|-------------------------------------------------------|---------------|---------------------------------|-----------------------|------------------------------|------------------------------|----------------|
| Width | b | EN 822 | 1200±7,5 | mm | -- | -- | |
| Length | l | EN 822 | 2500±10 | mm | -- | -- | |
| Thickness | d | EN 823 | 30±2 | mm | T2 | -- | |
| | | | 40±2 | | | | |
| | | | 50±3 | | | | |
| | | | 60±3 | | | | |
| | | | 80+5,-3 | | | | |
| 100+5,-3 | | | | | | | |
| Rectangularity | S _b | EN 824 | <5 | mm/m | -- | At length and width | |
| Flatness | S _{máx.} | EN 825 | ≤10 | mm | -- | At length | |
| Thermal conductivity | λ _D | EN 12667 | 0,027 | W/mk | -- | THICK. ≤ 70mm | |
| | | | 0,026 | | | THICK. > 70mm | |
| Thermal resistance | R _D | EN 12667 | 1,45 | m ² k/W | -- | THICK. = 40 mm | |
| | | | 1,85 | | | THICK. = 50 mm | |
| | | | 2,20 | | | THICK. = 60 mm | |
| | | | 3,05 | | | THICK. = 80 mm | |
| | | | 3,85 | | | THICK. = 100 mm | |
| Dimensional stability (under specific conditions of RH and T ^a) (1) and (2) | Δ _{εL} Δ _{εb} Δ _{εd} | EN 1604 | Δ _{εL} ≤2 (4) ≤0,5 (5) | % | DS (70,90) 3 DS (-20,-) 2 | THICK. < 80 mm | |
| | | | Δ _{εb} ≤2 (4) ≤0,5 (5) | | | | |
| | | | Δ _{εd} ≤6 (4) ≤2,0 (5) | | | | |
| | | | Δ _{εL} ≤1 (4) ≤0,5 (5) | | | DS (70,90) 4 DS (-20,-) 2 | THICK. ≥ 80 mm |
| | | | Δ _{εb} ≤1 (4) ≤0,5 (5) | | | | |
| | | | Δ _{εd} ≤4 (4) ≤2,0 (5) | | | | |
| Compression tension | σ ₁₀ | EN 826 | ≥120 | kPa | CS(10/Y)120 | At 10% deforma. | |
| Tensile strength | σ _{mt} | EN 1607 | ≥80 | kPa | TR80 | Perp. to faces | |
| Water absorption | W _{ft} | EN 12087 | ≤2 | % | WL(T)2 | -- | |
| Resist. water vap. | Z | EN 12086 | 12 | hm ² Pa/mg | Z12 | -- | |
| Reaction to fire | -- | EN 13501-1 | B-s2, d0 | -- | -- | THICK. ≤ 80 mm | |
| | | | B-s3, d0 | | | THICK. > 80 mm | |
| Emis. dange. subst. | TVOC | ISO 16000-6 | <1000 | μg/m ³ | A+ | -- | |
| Density | | | 32 ± 3 | Kg/m ³ | | All thicknesses | |

(1) (48±1) h at (70±2) °C and (90±5) %HR

(2) (48±1) h at (-20±3) °C

www.chova.com