



## **370mm Amvic ICF**

Standard Form Grey Bead BASF Neopor or Synthos Equivalent.

| Layer Surface            | Thickness<br>m | Conductivity<br>W/mK | Resistance<br>m²K/W |
|--------------------------|----------------|----------------------|---------------------|
| <i>External Surface</i>  |                |                      | 0.040               |
| <i>External Render</i>   | 0.013          | 1                    | 0.013               |
| <i>External EPS</i>      | 0.085          | 0.031                | 2.742               |
| <i>Concrete</i>          | 0.200          | 2.00                 | 0.100               |
| <i>Internal EPS</i>      | 0.085          | 0.031                | 2.742               |
| <i>Plasterboard</i>      | 0.013          | 0.21                 | 0.060               |
| <i>Internal Surface</i>  |                |                      | 0.130               |
| <b>Wall Thickness mm</b> | <b>395.5</b>   |                      |                     |

|                           |              |              |
|---------------------------|--------------|--------------|
| <b>Total Resistance R</b> | <b>m²K/W</b> | <b>5.826</b> |
| <b>U Value</b>            | <b>W/m²K</b> | <b>0.172</b> |

Manufactured to IS EN 13163:2012 + A2:2016.

| Dimensions mm |      |
|---------------|------|
| Length mm     | 1200 |
| Width mm      | 350  |
| Height mm     | 400  |

### **Physical Properties**

| Property                        | Test Method   | Value       |
|---------------------------------|---------------|-------------|
| Declared Thermal Conductivity   | IS EN 12667   | .031W/mK    |
| Compressive Strength            | IS EN 12667   | 150kN/m²    |
| @10% Deformation                |               |             |
| Bending Strength                | IS EN 12089   | 200kN/m²    |
| EPS Density                     | IS EN 1602    | Min 24Kg/m³ |
| Reaction to Fire                | IS EN 13501-1 | Euroclass E |
| Water Vapour Permeability       | IS EN 12086   | 33g/m²/Day  |
| Water Absorb. Partial Immersion | IS EN 12087   | 0.04Kg/m²   |
| Water Absorb. Total Immersion   | IS EN 12087   | 1.80%       |

In accordance with our policy of continuous product improvement, Amvic Ireland reserves the right to change the specification of Amvic Insulation Concrete Formwork at any time without notice.

Apr 23.  
Rev 1.