

## GRANRIC **ENERGYWOOL**

INDUSTRIAL / COMMERCIAL GLASSWOOL

Energywool is manufactured from non-combustible Glasswool bonded with an inert thermosetting resin to form a strong resilient product. Available in batts and blankets.



### Features & benefits

- ✓ Lifelong energy savings
- ✓ Available in a variety of thicknesses and densities to suit the application
- ✓ Safe application and use
- ✓ Long product life
- ✓ Exceptional acoustic and thermal properties



#### THERMAL PROPERTIES

- Significantly reduces heat gain and loss.



#### APPLICATION

- A range of batts and blankets for thermal and acoustic control in commercial buildings
- An industrial thermal insulation for applications up to 450°C
- Conservation and control of heat in boilers, tanks, ductwork, ovens, etc.
- Acoustical correction in compressor houses and machine rooms



#### ENVIRONMENTAL SUSTAINABILITY

- Less material, less energy and less emissions
- Zero ozone depleting potential (ODP)
- Zero global warming potential (GWP)



#### FIRE PROPERTIES

- Tested to SANS 53501-1 Reaction to Fire
- A1



#### ACOUSTIC PROPERTIES

- Offers exceptional acoustic properties and enhances indoor environmental quality by absorption of noise. Energywool greatly reduces sound transmission to and from a room or building.



DURABILITY

- Odourless, inert and fully compatible with all standard building materials and components
- Will not promote corrosion of steel, copper or aluminium
- Will not sustain vermin
- Will not breed or promote fungi, mold or bacteria
- Non-hygroscopic
- Dust settlement will not hamper the product's performance
- Prevents condensation on cold surfaces protecting underlying materials

HANDLING & STORAGE

Store product under cover and in dry conditions. Handle with care, especially on the edges and corners, which can be damaged if subject to sharp or heavy impact. Do not apply excessive pressure, for example by standing or sitting on the product, as permanent damage may be caused.

PHYSICAL PROPERTIES

| Density<br>(kg/m3) | Thickness<br>(mm) | Boards             |                     | Rolls              |                     | Thermal<br>Conductivity<br>(W/mK) | R-Value | Noise<br>Reduction<br>Coetncient<br>(NCR Value) |
|--------------------|-------------------|--------------------|---------------------|--------------------|---------------------|-----------------------------------|---------|-------------------------------------------------|
|                    |                   | Dimensions<br>(mm) | Qty Pack<br>(Batts) | Dimensions<br>(mm) | Qty Pack<br>(Batts) |                                   |         |                                                 |
| 24                 | 25                | 1200 x 600         | 38pc                | 30000 x 1200       | 1                   | 0.036                             | 0.69    | -                                               |
|                    | 50                | 1200 x 600         | 20pc                | 15000 x 1200       | 1                   | 0.036                             | 1.39    | -                                               |
|                    | 75                | 1200 x 600         | 14pc                | N/A                | 1                   | 0.036                             | 2.08    | 0.90                                            |
|                    | 100               | 1200 x 600         | 10pc                | N/A                | N/A                 | 0.036                             | 2.78    | -                                               |
| 48                 | 25                | 1200 x 600         | 20pc                | 10000 x 1200       | 1                   | 0.032                             | 0.78    | -                                               |
|                    | 50                | 1200 x 600         | 10pc                | 7000 x 1200        | 1                   | 0.032                             | 1.56    | 0.95                                            |
|                    | 75                | 1200 x 600         | 7pc                 | N/A                | N/A                 | 0.032                             | 2.34    | -                                               |
|                    | 100               | 1200 x 600         | 5pc                 | N/A                | N/A                 | 0.032                             | 3.13    | -                                               |
| 64                 | 25                | 1200 x 600         | 16pc                | N/A                | N/A                 | 0.032                             | 0.78    | -                                               |
|                    | 50                | 1200 x 600         | 8pc                 | N/A                | N/A                 | 0.032                             | 1.56    | 1.00                                            |
|                    | 75                | 1200 x 600         | 5pc                 | N/A                | N/A                 | 0.032                             | 2.34    | -                                               |
| 80                 | 25                | 1200 x 600         | 65                  | N/A                | N/A                 | 0.032                             | 0.78    | -                                               |