



THD STD 190

■ Product Information Sheet

Applications

- Universal, pressure-resistant thermal insulation with high heat storage ability
- Ideal for horizontal uses with flooring placed on top and as additional insulation beneath AGEPAN THD N+F 230 with tongue-and-groove joints

AGEPAN STD 190 is a wood-fibre insulation board with square edges that is manufactured using the dry process. It complies with DIN EN 13171 (for which the CE mark of conformity has been issued) and the Z-23.15-1508 standard of the German Institute of Construction Engineering (DIBt). Above and beyond this, Glunz is committed to ensuring continued official monitoring of the quality of this product. This is visibly demonstrated by both the CE mark and the "Ü-Zeichen" approval for building construction in Germany. The high environmental standard of this wood-fibre insulating board is documented by the natureplus[®] quality mark.



Benefits

- More moisture-resistant than comparable wood-fibre insulating boards made using the wet process
- No risk of delamination, in contrast to boards made by bonding together multiple layers
- Vapour-permeable and thermally insulating yet strong
- Excellent thermal insulation in summer weather (buffering effect)
- Highly pressure-resistant, due to strong cover layers
- Supports the making of robust superstructures:
 - High evaporation potential, warm surfaces
 - Very low μ -value = 3, enabling GK 0 construction
- Manufactured using environmentally-friendly dry process
- Effective reduction of sound transmission due to absorbent fibre structure
- Easy processing and shaping for construction details — easier to cut than conventional wood-fibre insulation board made using the wet process

Technical Data

| Property | Test standard | |
|--|---|--------------------------|
| Nominal thickness (mm) | DIN EN 823 | 40 - 60 - 80 |
| Raw density (kg/m ³) | DIN EN 1602 | 190 |
| Nominal thermal conductivity (W/(m*K)) | DIN EN 13171 | 0.044 |
| Rated thermal conductivity (W/(m*K)) | DIN 4108-4 * | 0.047 |
| Water vapour diffusion resistance factor μ | EN 12086 | 3 |
| Significant properties | DIN EN 13171 | T3-CS(10V)100-TR5-WS1.0 |
| Hydrophobation group | DIN EN 1609 | H 10 |
| Euroclass | DIN EN 13501-1 | E |
| Material class | DIN 4102-1 | B2 - normal flammability |
| Bonding | Bonded w/o formaldehyde with PUR resins | |
| Applications (examples) | DIN 4108-10 Tab.11 | DEO/WAB/WH |

* In conjunction with Z-23.15-1508

Formats, Weights and Delivery Programme

| Property | Unit | Thickness (mm) | | |
|--------------------------|-------------------|-------------------|-------|-------|
| | | 40 | 60 | 80 |
| Format | mm | 2650 x 600 | | |
| Coverage per board | m ² | 1.59 | | |
| Coverage per pack | m ² | 50.8 | 34.9 | 25.4 |
| Approx. weight per sq.m. | kg/m ² | 7.6 | 11.4 | 15.2 |
| Approx. weight per board | kg | 12.1 | 18.1 | 24.2 |
| Approx. weight per pack | kg | 464.0 | 476.1 | 464.0 |
| Boards per pack | | 32 | 22 | 16 |
| Format | mm | 1320 x 600 | | |
| Coverage per board | m ² | 0.79 | | |
| Coverage per pack | m ² | 25.3 | 17.4 | 12.6 |
| Approx. weight per sq.m. | kg/m ² | 7.6 | 11.4 | 15.2 |
| Approx. weight per board | kg | 6.0 | 9.0 | 12.0 |
| Approx. weight per pack | kg | 231.1 | 237.2 | 231.1 |
| Boards per pack | | 32 | 22 | 16 |