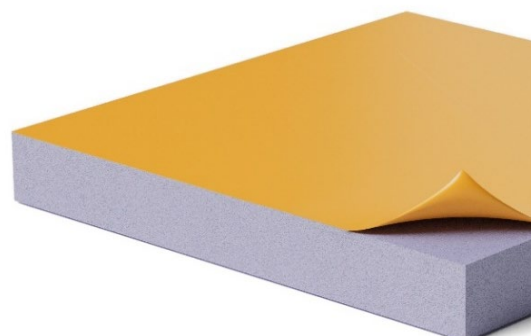


# Q-Tape panels

Composition: Q-TAPE - XPS - Q-TAPE  
Q-TAPE - XPS

Q-Tape adhesive panels are a modern solution that significantly simplifies assembly and reduces installation time. Featuring an acrylic adhesive layer, this product is the ideal choice for the joinery, construction and advertising industries.



## Sizes:

3000x1000; 2150x900; 2000x1000 mm

## Top-layer Q-Tape:

modified polyacrylate, weight  $70 \text{ g/m}^2$ , covered by paper,  
adhesive strength: min. 21 N / 25 mm (AFERA 5001/contact time 1h).

## Inner layer – XPS:

closed-cell structure extruded polystyrene (XPS) with grooves, without HBCD,  
density:  $\geq 33 \text{ [kg/m}^3\text{]}$  (EN 1602),  
thermal conductivity ( $\lambda$ ):  $0,034 \text{ [W/mK]}$  (EN 13164),  
water absorption:  $< 1\%$  (EN 12087),  
fire rating: E (EN 13501-1).

## Technical specification:

| Thickness <sup>1</sup> | [mm]                 | 8    | 10   | 12   | 14   | 16   | 18   | 20   | 21   | 22   | 23   | 24   | 25   |
|------------------------|----------------------|------|------|------|------|------|------|------|------|------|------|------|------|
| U value <sup>2</sup>   | [W/m <sup>2</sup> K] | 2,47 | 2,15 | 1,91 | 1,72 | 1,56 | 1,43 | 1,32 | 1,27 | 1,22 | 1,18 | 1,14 | 1,1  |
| Weight <sup>2</sup>    | [kg/m <sup>2</sup> ] | 0,7  | 0,7  | 0,8  | 0,9  | 0,9  | 1    | 1,1  | 1,1  | 1,1  | 1,2  | 1,2  | 1,2  |
| Thickness <sup>1</sup> | [mm]                 | 26   | 28   | 30   | 31   | 32   | 33   | 34   | 36   | 38   | 40   | 42   | 44   |
| U value <sup>2</sup>   | [W/m <sup>2</sup> K] | 1,07 | 1,01 | 0,95 | 0,92 | 0,9  | 0,88 | 0,85 | 0,81 | 0,78 | 0,74 | 0,71 | 0,68 |
| Weight <sup>2</sup>    | [kg/m <sup>2</sup> ] | 1,3  | 1,3  | 1,4  | 1,4  | 1,5  | 1,5  | 1,5  | 1,6  | 1,7  | 1,7  | 1,8  | 1,9  |
| Thickness <sup>1</sup> | [mm]                 | 46   | 48   | 50   | 52   | 54   | 60   | 70   | 72   | 86   | 100  |      |      |
| U value <sup>2</sup>   | [W/m <sup>2</sup> K] | 0,66 | 0,63 | 0,61 | 0,59 | 0,57 | 0,52 | 0,45 | 0,44 | 0,37 | 0,32 |      |      |
| Weight <sup>2</sup>    | [kg/m <sup>2</sup> ] | 1,9  | 2    | 2,1  | 2,1  | 2,2  | 2,4  | 2,5  | 2,8  | 3,2  | 3,7  |      |      |

<sup>1</sup> Tolerance:  $\pm 0,5 \text{ mm}$ ;

<sup>2</sup> Forecast value, determined by calculation method, based on average physico-mechanical properties of sandwich panel elements.

*Instructions for use:*

*Substrate preparation:*

*The Surface of the combined material with the Q-Tape self-adhesive panel should be clean and dry. Any deviation from this rule weakens the bonding strength. Wetting of the surface, which often occurs e.g. during transferring the material from cold to warm, should be avoided. The surface should be free from dust, grease, oil and other anti-stick agents. It is recommended to use a cleaner for cleaning that does not leave any material residue on the substrate; it is allowed to use non-aggressive solvents, e.g. extraction gasoline, hexane, alcohols, esters. It is not recommended to use substrates with the plasticizers addition, because it is possible that they will react with the glue.*

*Application conditions of Q-Tape self-adhesive panel to the substrate:*

*It is recommended to apply/gluing at the temperature in the range of 18-30oC, remembering that the required range applies not only to the ambient temperature, but also to the substrate temperature. Gluing the substrate at a lower temperature reduces the initial gluing strength, so it is necessary to acclimatize the substrate at least 24 hours before gluing.*

*Gluing:*

*The best joining effect is achieved by using a roller or pressure press, but manual gluing is also permitted. It must be ensured that the force used to combine two components does not damage the substrate or the self-adhesive, but is also sufficient to obtain a strong connection; therefore the exact force applied is determined experimentally and evaluated by the customer. The full adhesive force is obtained after about 24 hours from the moment of application.*

*Storage:*

*Q-Tape self-adhesive panels should be stored at the temperature 15-25oC, with standard air humidity (max. 60%). It is not recommended to store the panels outside, as the product should be protected from direct sunlight and moisture. It is recommended to store the product in a horizontal position, preferably on a pallet.*