

FASTENER GUIDELINES

ROCKWOOL®'s Fastener Guidelines are recommendations for fixing ROCKWOOL® semi-rigid board products. These recommendations are for informational purposes only. Requirements may vary based on end use application or end use environment.

As ROCKWOOL® does not supply the fastenings it is ultimately up to the manufacturers of the fastenings to comment on the performance of their products when managing the loads of our materials. ROCKWOOL® makes no representations or warranties, express or implied, with respect to its recommendations for fixing the semi-rigid board products with fastenings and all warranties are disclaimed.

The thermal performance of ROCKWOOL® products (and the building) will be a direct result of the fastenings capacity to keep our material flush with the substrate in a continuous fashion for the intended performance span (the life of the building).

ROCKWOOL® recommends that Design Teams get clarity from the attachment component manufacturers to ensure they feel confident that proposed solutions meet installers needs and the needs of the clients.

Historically, when failure occurs due to poor attachment mechanisms, it is due to adhesive fastenings, thus ROCKWOOL® recommends mechanical fasteners for long term performance.

The challenges with adhesive fixings include but are not limited to:

- Grade of the adhesive (is it strong enough for the loads)
- Conformance/compatibility of the adhesive with the membrane substrate (could erode the membrane and fail)
- Condition of the substrate during attachment (dusty/wet/etc.)
- Temperature during the application (too cold?)
- Applied pressure during application (not enough?)
- Thermal cycling/wetting prior to installation of insulation

In addition, factors that Design Teams may need to consider in the engineering phase may include:

- Static loads
- Wind loads
- Seismic loads

All the above items can cause failure of attachment (impacting the intended thermal performance of our products) thus we recommend the use of mechanical fastening.

If the location of the application is such that it would limit the exposure to some of the above items and help to ensure that the insulation remains in place, ROCKWOOL® recommends speaking with the attachment and membrane manufacturers to secure additional direction on how best to ensure the application meets your specific end use needs.

For further information or assistance, please contact ROCKWOOL® Technical Services at 1.877.823.9790 or contactus@rockwool.com.