

Don't take all R-values at face value

When it comes to roofing, many building owners and facility managers choose insulation based on high initial R-value claims in the hopes of achieving lasting performance. Unfortunately, this approach doesn't always work. Some types of insulation can shrink up to 2%, leading to unstable R-values, impacting both performance and safety.



3 reasons to look beyond the R-value

A stable R-value is very important when evaluating assembly options for your roof. But, your roof insulation should provide other key benefits that ultimately contribute to the long-term performance of your building.



1. Fire resistance

A fire is not only dangerous, it can result in damage, loss of business revenues and even increased premiums. Using a non-combustible insulation such as ROCKWOOL stone wool insulation is essential to increase fire safety as it will not develop toxic smoke or promote flame spread, even when directly exposed to fire. In fact, stone wool is a natural fire barrier with a melting point of 2150°F (1177°C). This increased fire resistance can reduce the risk of a fire.

With stone wool insulation, there's more to R story

By providing fire resistance, sound control, robustness, and a guaranteed thermal performance – ROCKWOOL stone wool insulation goes beyond R-values to improve the energy efficiency and longevity of your roof for lasting performance.



2. Sound control

Whether it's traffic, construction or rain, unwanted noise impacts the comfort of your occupants. It's why building codes are starting to include acoustical criteria. By diminishing air flow and decreasing sound transmission, ROCKWOOL stone wool roof insulation can control outside noise – reducing up to 40% of unwanted noise in your building.



3. Robustness

FM and UL now have more stringent standards when it comes to protecting against natural hazards. ROCKWOOL stone wool insulation has a unique physical structure which keeps its shape and toughness despite changes in temperature and humidity. This dimensional stability means it will never shrink and maintains a stable R-value over time.

See how ROCKWOOL stone wool insulation can help you get more from your roof insulation to ensure lasting performance. Visit us at rockwool.com to learn more or call 1-800-823-9790.



ROCKWOOL™