

August 9, 2017

**Re: Stone Wool Vs Slag Wool**

Roxul is a manufacturer of stone wool, manufactured primarily from virgin Basalt rock.

Slag wool on the other hand is manufactured primarily from slag. Slag is a waste matter separated from metals during the smelting or refining of ore.

As can be expected, there are significant performance differences between stone and slag wool, as summarized below:

- Slag wool normally has a lower melting point, affecting fire properties of the insulation
- The slag tends to be more contaminated than the basalt rock, as such there are more impurities (soluble salts) in the materials, this leads to issues with CUI
- Slag wool has higher shot content – shot is defined as non-fibrous particles in mineral wool that have negative influence on the thermal conductivity. Thus, more shot in the slag wool means worse thermal performance for the same “density” with slag wool, as compared to stone wool
- Quality of slag, unlike pure basalt rock, slag is more prone to variation in quality, depending on the facility creating the slag, thus leading to quality differences within the slag wool family

Sincerely,



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