

## CESME

# Rockwool – firesafe insulation

Presented by

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### Point of contact

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### Brief Description of Good Practice

Rockwool produces stone wool products for insulation. The production process of Rockwool stone wool offers an opportunity for recycling end-of-life materials from other industries. Every year Rockwool is handling more than 800.000 tons of end-of-life materials. In order to use it in the production of new stone wool, the materials is exposed by very high temperatures. The end-of-life materials is together with new materials (stone, limestone etc.) spun into new stone wool fibers. Thereby a Rockwool product contains of 37% recycled materials.

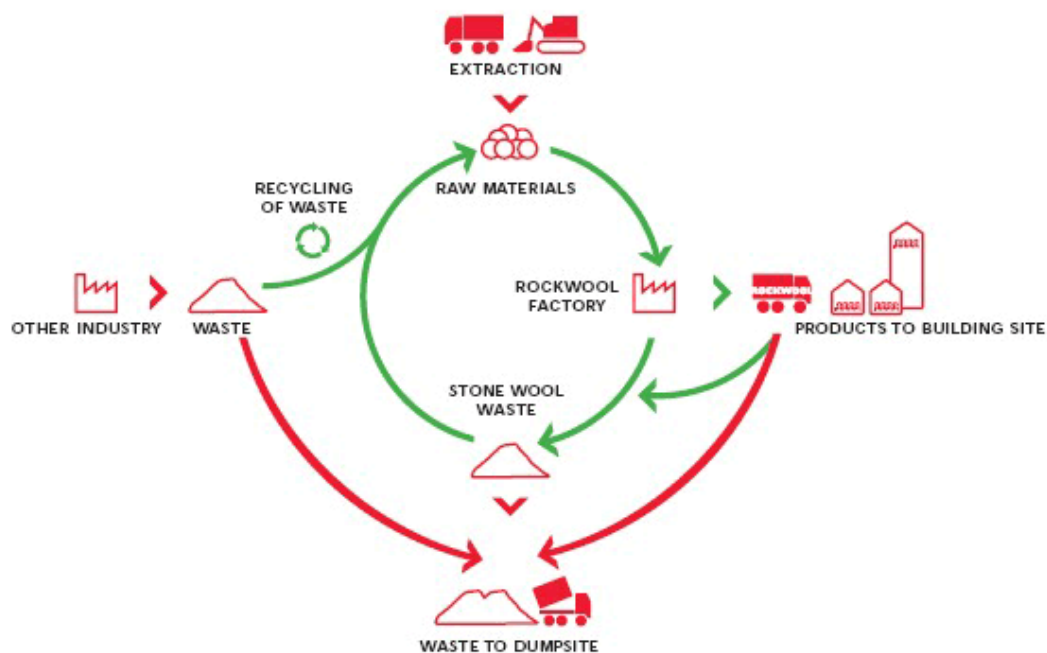
Furthermore, the excess heat from the production to heat houses in the nearby village.

Finally, there is a sulfur residue from the flue gas cleaning in Rockwool. Another company use the sulfur residue for desulphurization - the residue from that process is plaster. A third company use the plaster for production of plasterboards.

### Problems/challenges and how they were overcome

Rockwool have a take-back system for their used products. This helps fulfill the requirements of the EU directive on waste requiring that by 2020 70% of construction waste must be recovered or recycled.

When Rockwool is recycling waste, it helps solving a waste disposal problem and cuts down on the use of virgin raw materials. It also strengthen Rockwools profile as environmentally friendly and conscious.



### Impact from Good Practice

Rockwool is continuously measuring their impacts on the environment in order to follow the progress in the environmental work.

Since 2012 Rockwool has reduced their own waste generation by 50%

Rockwool has increased the use of residue from other industries from 500.000 in 2012 to 800.000 in 2015. Furthermore, they increase their recycling of their own products and packaging.

### Lessons learnt from the Good Practice

The use of end-of-life materials from other industries demands some experiments in the beginning in order to tune in the right process. When the system is up and running it can save raw materials. Thereby the company saves money and strengthen their reputation as environmentally conscious.

### Recommendation you want to stand

Be aware not to recycle materials that can be reused.

Be aware if other industries can use your waste in their production before you discard it.

### For more information

[www.rockwool.com](http://www.rockwool.com)