

Traditional Gypsum Waste Recycling Process



90%
gypsum
powder

10%
paper
fraction



Gypsum paper is one of the two fractions arising from the recycling process of gypsum plasterboard waste. When recycling the waste, 90% by weight is turned into gypsum powder while the paper fraction makes up to 10%.

Traditionally, the gypsum paper has not been reused as paper but for appli-

cations that are found lower on the *waste hierarchy*:

- Landfilling
- Composting
- Incineration
- etc.

Now due to our new paper recycling technology, it is possible to treat the 10% paper fraction and turn it into recycled paper to be used as paper.

Gypsum Paper Recycling

Now Possible!

The machine removes the contaminants from the paper: First the plastic is taken out.



Then the remaining contaminants, like pieces of wood, etc. are separated. Finally, the machine removes the gypsum that is adhered to the paper to create a clean paper without gypsum.



Approx 50% recycled
gypsum powder

Approx 50%
recycled paper



End result:
100% recycling

95%
recycled
gypsum powder

5%
recycled
paper

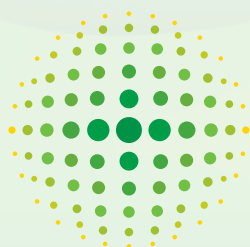
Gypsum Paper Recycling Process

Gypsum Recycling International has achieved a virtually 100% recycling rate of gypsum waste by developing a new technology that turns the paper fraction from the gypsum waste recycling process into a valuable raw material for the paper industry.

The technology is fully innovated by GRI and co-funded by the ECO-innovation Initiative of the European Union. Like GRI's gypsum waste recycling units, the paper recycling unit is completely mobile and, thus, can be used in various locations and countries, avoiding costly and unnecessary burdening of our environment by numerous transports of paper.

The paper fraction that results from the gypsum waste recycling still contains gypsum and other contaminants. The new treatment ensures that more than 50% of the "original" paper fraction becomes a valuable raw material for the paper industry. The remaining 50% consists mainly of gypsum that finds its way back to the manufacturers of gypsum products as recycled gypsum.

By combining our award winning gypsum waste recycling technology with our new paper recycling technology, we assure that gypsum waste is turned into 95% recycled gypsum powder and 5% recycled paper.



**GYPSUM
RECYCLING**
INTERNATIONAL

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