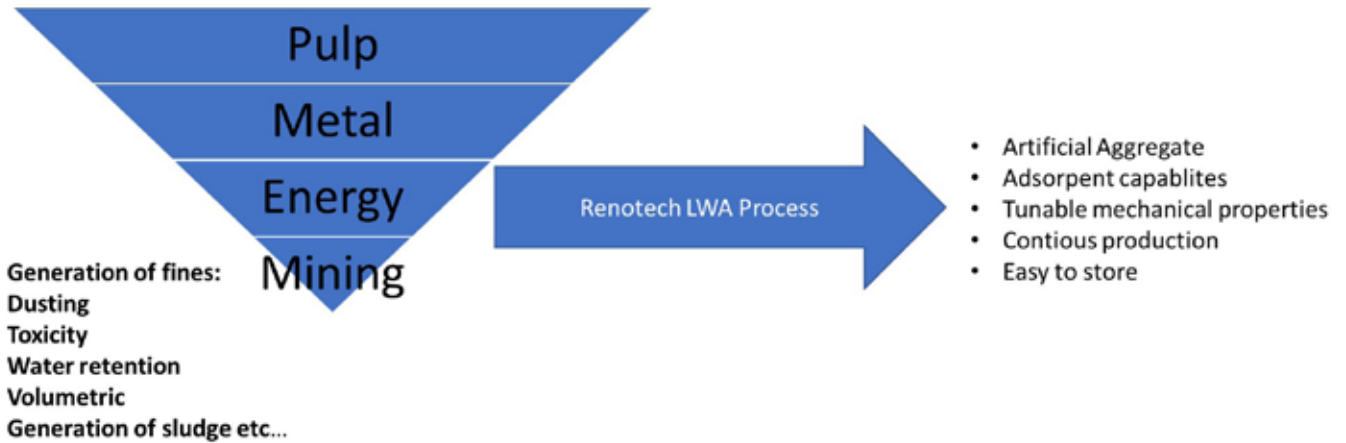


## RENOLIGHT - RENOTECH LWA



Renotech has developed a technology where almost any type of fine < 1 mm, preferably < 100 µm can be transformed into artificial aggregate resembling LECA. The density and granulometry of the formed aggregate can be tuned to specific application needs. The density can be varied from 400 kg/m<sup>3</sup> to 1300 kg/m<sup>3</sup>. The crushing resistance of the aggregate is > 1,5 MPa to 25 MPa.

Production of the aggregate is simple. The process needs water foam (from a foaming generator) and the solid starting material. The mass is prepared in comparable method of standard concrete with the addition of mixing foam into the slurry. The slurry is pumped into a pile/reservoir where it develops necessary strength levels to withstand the follow – up crushing to suitable granulometry. Fines from the crushing can be re-used in the same process.

Possible **trace metals are chemically stabilized** within the matrix during production. The produced aggregate is porous giving it excellent Insulation properties.

### Properties

Parameter	Standard (Light Weight Aggregates)	Result
Bulk density	SFS-EN 13055	min. 500 kg/m <sup>3</sup> max. 1400 kg/m <sup>3</sup>
Particle shape		Crushed
Granulometry	SFS-EN 13055	4 – 32 mm
Water Adsorption	SFS-EN 13055	15 – 30 p%
Crushing Resistance	SFS-EN 13055	1 – 3 MPa

### We offer

Service or licence based solution for Fine remediation/Reuse.