

Glass Aggregate

BIOREFINING PROCESS SOURCE

Vitrification

DESCRIPTION

Amorphous solids formed by the melting together of minerals in various sludge effluents, such as paper mill residue. These solids can then be ground to different sizes for applications, including asphalt paving, pozzolanic material for cement, sandblasting media, shingle granules and ceramic tiles. The vitrification process destroys organic compounds and binds harmful metals inside the glass; aggregate made from Minergy's vitrification process pass ASTM water leachate tests.¹

PRICE

\$0.50-\$40/ton²

MARKET SIZE

Large

REFERENCES

¹ The Minergy Corporation. <http://www.minergy.com/products/glassag.htm> (11 April 2004).

² Andela Scrap Glass Index – Online Market Prices. 2004. Recycler's World. <http://www.recycle.net/price/glass.html> (26 April 2004).