Benefits

Benefits

RockTron fillers and extenders offer benefits including environmental, product performance, process improvement, cost reduction and antibacterial protection.

Environmental – “ RockTron Eco-Minerals”

RockTron’s production is in effect the 100% processing of waste pulverised fuel ash (PFA) from coal-fired power stations stored in landfill sites. Therefore any products using RockTron fillers or extenders can benefit significantly from the genuine environmental and sustainable sourcing advantages that RockTron provides. Our customers have a significant competitive advantage because only they can offer sustainably sourced filler products with “RockTron Inside”.

Corporate Social Responsibility - CSR

The growing pressure on companies to actively demonstrate a more responsible role towards the environment and sustainability means there is a real advantage to be gained by specifying and using RockTron products.

Potential Product Benefits

- Density reduction
- 100% recycled eco-minerals
- Hollow and solid glass spheres
- Improved flow characteristics
- Increased impact strength
- Low embodied carbon products
- Spherical magnetite available
- 25+ year supply available on an industrial scale
- Cuts carbon footprint for glass and mineral filler and extender markets
- lower cost substitute available in volume
-
    Low oil absorption / lower costs
-
    Low shrinkage / warpage
-
    Higher abrasion resistance

- Higher impact strength
- Improved stress distribution
- Good chemical resistance
- Higher thermal resistance
- Increased thermal conductivity
- Increased filler loadings / lower costs
- Lower VOC levels for solvent containing coatings
- Antibacterial properties
- New market / product opportunities
- Competitive advantage

Potential Process Benefits

- Low surface to volume ratio due to spherical shape
- Increased output, lower energy consumption therefore reduced pollution
- Low melt or resin viscosity
- Uniform dispersion
- Shorter drying times
- Lower moulding pressures

- Lower melt temperatures
- Faster cycle times
- Higher output