

Sapphire Alliance Cheyney Group

Gibraltar Designs: Flame-retardant paper



Flame-retardant material is analyzed and recovered with [CDD](#) special solution.

[Flame retardant paper](#), Nomex®, has many applications including its use in the manufacture of personal protection garments to help protect Formula 1 drivers and fire-fighters from flash fires, and is used in the fireproof honeycomb structures incorporated into the Airbus A380 wide-body aircraft. The material contains heavy metal additives (for example bismuth). This paper had been produced for many years, with the off-cuts of the material being baled and stored, due to the difficulty associated with disposal.

CDD has developed a special Xray inspection to accurately measure the concentration of heavy metal components, by core-sampling and analyzing the bales. This has resulted in recovery of nearly 2500 tons of material, with blending of the paper to specific grades, producing both financial and sustainability benefits.

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