"Be the change you want to see in the world"

Mahatma Gandhi

Stone Paper is a sustainable, innovative product developed with respect for our planet. By utilizing mineral powder (Calcium Carbonate), Stone Paper bags and packaging are tree-free. Additionally, no water or bleaching agents are used during production, unlike the excessive use of these resources in traditional wood pulp paper manufacturing. Stone Paper is ISO 14001:2004 certified and also complies with ROHS, REACH, and FDA standards. Moreover, Stone Paper has earned the C2C certification. In early 2016, Stone Paper's sustainability claims were confirmed through certification by the KIWA quality mark.

Features

Stone Paper is a tree-free paper that consists primarily (80%) of mineral powder bound with a percentage of non-toxic resin (HDPE). Stone Paper is tree-free, protecting our forests and fragile environment while offering similar visual and technical characteristics to traditional pulp paper. Stone Paper is produced without the use of water, chemicals, and bleaching agents. The production process generates no toxic emissions and does not waste water. Unused or excess material is easily recyclable into new Stone Paper. Additionally, it breaks down under sunlight and can be incinerated without releasing harmful gases.

Stone Paper is waterproof, tree-free, and essentially fiber-free.

It can be printed using all common printing methods. Since the ink does not penetrate the material, less ink is needed during the process, resulting in higher color fidelity. Due to its complete water resistance, Stone Paper is perfect for all-weather products. It is also soft and flexible, making it ideal for writing and folding, which are perfect properties for notebooks and (hiking) maps.

Figures and Comparisons in Brief

The following facts compare the production of 1000 kg (1 ton) of Stone Paper versus 1000 kg of traditional (wood pulp) paper:

	1000 kg Stone Paper	1000 kg Pulp paper
CO2 emissions	482 kg	1431 kg
Energy consupltion	3.1 GJ	20.4 GJ
Trees required	0	18
Water loss	0	2770 liter
Beaching agents	no	yes
Water resistence	yes	n0
Tear resistance	high	low

The comparison table clearly shows that Stone Paper is significantly more sustainable than traditional wood pulp paper types. For example, large-scale plantation forestry, which lacks biodiversity, does not constitute a livable forest. The extreme water and energy consumption of the paper industry is becoming increasingly unacceptable to society.

Product ideas