we are aware

we are eco

In the interest of the environment **Kronospan** focuses on products with reduced negative impact on the ecosystem.

We focus on conscious production and environmental responsibility by implementing new production technologies enabling pressing of the panels with the properties of HPL boards but with significantly reduced environmental damage.

Sustainable production development is our key goal.

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Compact **CGS**

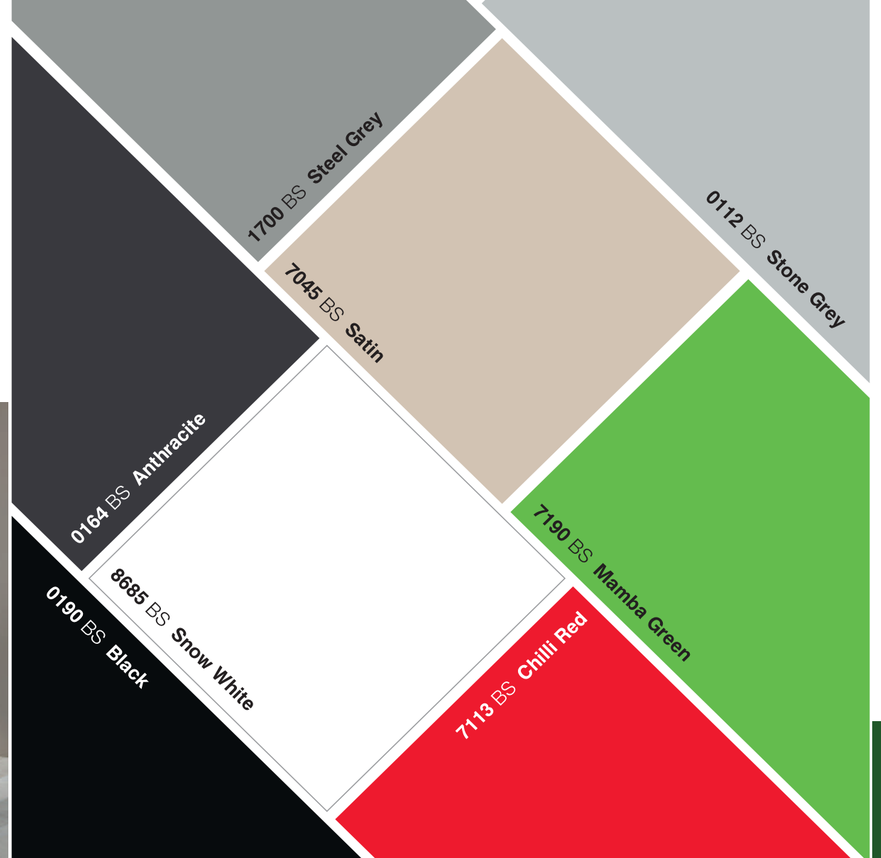
MULTIPURPOSE BOARD

kronospan

Compact **CGS**

Compact CGS with black core from Kronospan is a multipurpose board for indoor use. They feature an attractive and aesthetic appearance, high mechanical strength, durability and resistance to impact, abrasion and scratch. Due to the high material stiffness and density, this product is designed for many applications.

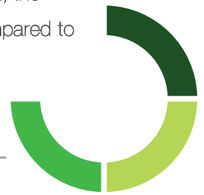
Sizes:	**Thickess (mm):**	**Format (mm):**
	12,5	2040 x 2800



Technical Data

Density		min. 1,35 g/cm
Fire resistance classification	EN 13501-1	D-s1, d0
Easticity		> 9000 MPa
Flexual strength		> 80 MPa
Thermical diameter stability		0,3/0,6%
Resistance to immersion in boiling water	Mass gain	max. 2%
Resistance to impact	Drop height [mm] / Diameter pressure point [mm]	1800 / 4
Saw blade material		Diamond

Thanks to the responsible process, the production of **Compact CGS** compared to standard HPL board consumes:



LESS CRUDE OIL
150%

90%
LESS WATER

50%
LESS ENERGY

During production of CGS board we are spending 10 L of water per 1 m2. Standard HPL board production utilizes approximately 95 L of water per 1 m2 of product due to much higher consumption in paper production process. That gives 90% less water consumed in CGS process. HPL board production (paper manufacturing, phenolic impregnation, pressing) is consuming 0,0750 MWh/m2 of 12,5 mm thick product. CGS board (raw board manufacturing, pressing) is consuming 0,0330 MWh/m2 of 12,5mm thick product. That gives roughly 125% more energy consumption during HPL process. Crude oil consumption can be directly referenced as phenol content per m2 of product. This can be easily obtained from phenolic resin part in both products. HPL board contains approximately 45% of phenolic resin where CGS board contains only 18%. That gives 150% more crude oil involvement in standard HPL product in comparison to CGS.