

Why Climate® & Why Powder Coating



Economic - Low waste, Energy & Labour

- Powder is 100% solid paint vs liquid 40-65% solids
- No solvent or water is used in the paint or application process
- One coat, automated, large format coating applicator for efficient output

Durability and performance vs. liquid paints

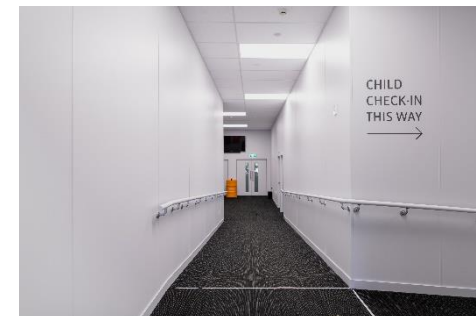
- Excellent adhesion to the substrate whether a primer or top coat
- Excellent impact resistance for improved durability
- Coating thickness from 60 - 120 micron in one coat

Sustainable Technology supporting our commitment to Zero CE

- No Volatile Organic Compounds (VOC's)
- No solvents
- Low waste – 95% powder utilisation

Reliability developed and delivered locally

- 20 years track record in New Zealand and Australia
- Made in New Zealand and supported with technical service and support

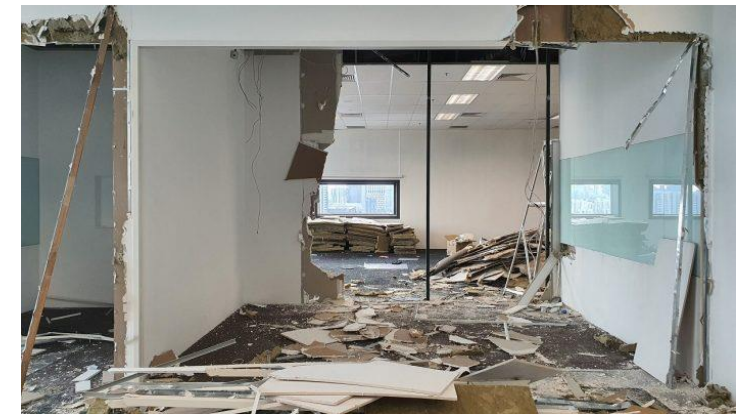
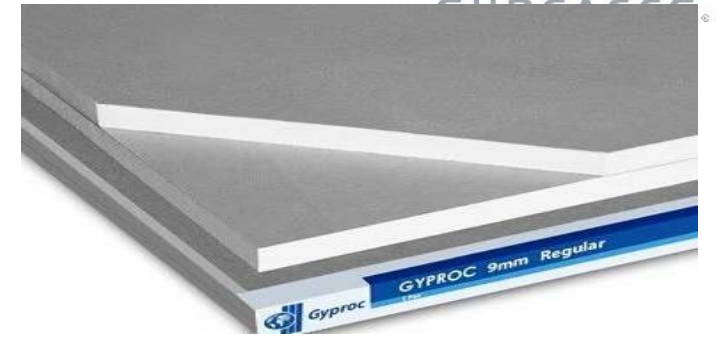


The Problem

One of the most widely used construction products is plasterboard, which is used to cover interior walls and ceilings. It is estimated that 10 billion m² of plasterboard is produced annually worldwide.

Buildings are responsible for around **50% of resource extraction** and consumption and more than 30% of the EU's total **waste** generated per year. Australia and New Zealand are fast followers.

- Every year \$320 billion of wall partitions are wasted every year as they are a one time use product
- Offices are refurbished every five years on average
- Plasterboard has a low recycling rate of less than 15%, and most of it ends up in landfills.



The Solution – The Clean Finish

Powder coating is a painting technology that requires no water or solvent as its carrier, it is applied using air and electrostatics that is then thermally fused to the substrate. First developed for finishing metallic materials efficiently in the 60's with less waste and pollution it has evolved to enable the coating of non-metallic materials and this is where Climate started our journey.

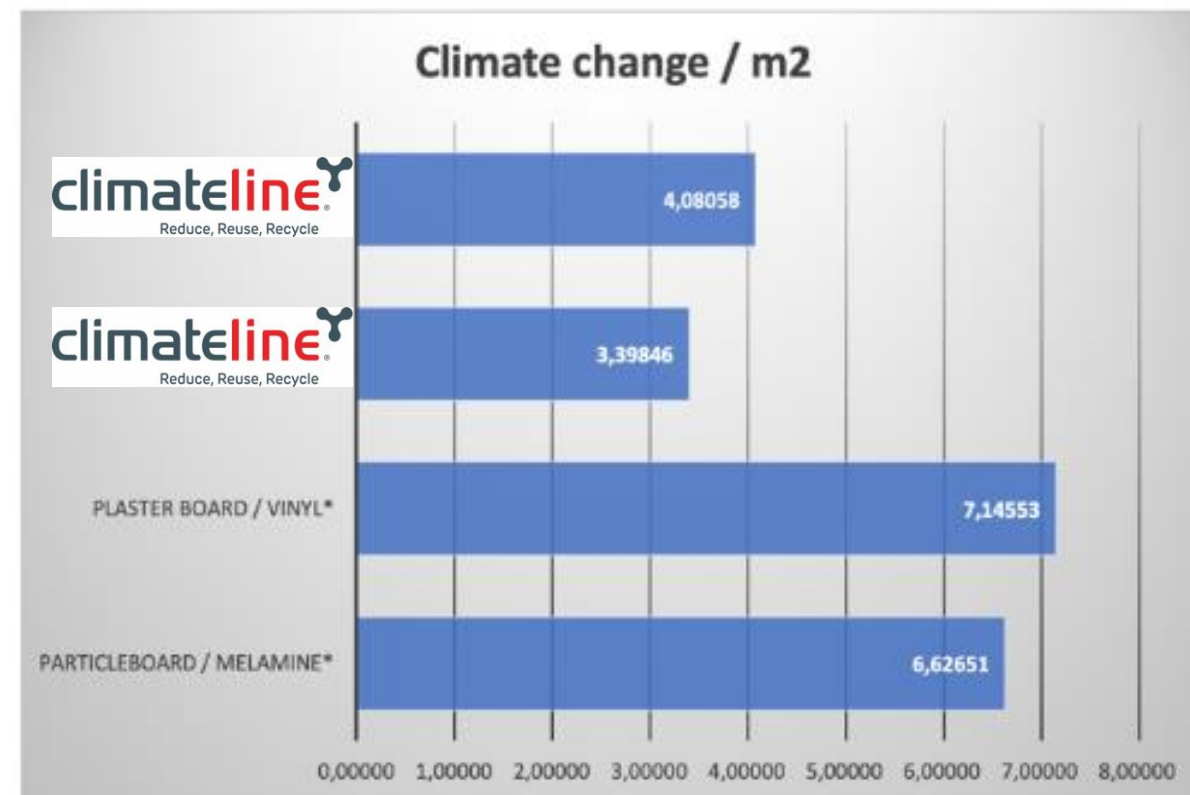
A technology developed before it's time in terms of sustainability

- 20-50% reduction of the CO2 footprint vs traditional finishing materials
- VOC free, reduces indoor and outdoor air pollution
- Produces less than 5% powder waste during the application process
- Air replaces water or solvents in powder coatings eliminating use of water
- Powder coated materials are more efficiently recycled

Powder coating is the technology, Climate is the enabler for the building industry to unlock the full value of powder coating technology for wood and gypsum materials at a global scale.

Climate Change – CO2 Reduction

Powder coated building materials can reduce the CO2 footprint of materials by 20-50% compared to laminated engineered wood and plasterboard



Cimateline panels are 100% recyclable

Tests conducted at leading plasterboard recycling center demonstrated full recyclability

Gypsum is re-used to manufacture new plasterboard boards and the coated paper is used as a filler for construction bricks

