

POLYSTONE CUBX

EFFICIENT AND COST-EFFECTIVE TANK CONSTRUCTION

POLYSTONE CUB X

Polystone CubX is a revolutionary plastic construction sheet designed specifically for rectangular tank manufacturing. What sets it apart is its unique internal cube structure, which provides exceptional longitudinal and transverse stiffness. This design allows Polystone CubX to deliver the higher strength and rigidity than traditional solid plastic sheets and the added benefit of significantly reduced weight.

The internal grid pattern is fused to outer plastic layers, forming a strong yet lightweight sheet that significantly reduces the need for steel reinforcement.

This is particularly valuable in chemical tank construction where traditional tanks require complex steel framing to meet safety and structural standards.

KEY BENEFITS

Superior Stiffness, Reduced Weight

Polystone CubX offers high rigidity with half the weight of solid plastic sheet, making it easier to handle while lowering shipping and installation costs.

Steel Reinforcement Reduction

The unique internal grid structure significantly minimises the need for steel reinforcement, drastically reducing welding and material requirements. This leads to faster production and lower overall costs.

Enhanced Safety

On request, CubX can be manufactured with built-in recesses for leakage monitoring, containing leaks within internal chambers. (Made to order)



Thermal Insulation

The hollow structure offers excellent thermal insulation, reducing the need for extra materials. This makes it ideal for applications involving temperature-sensitive substances.

Chemical and UV Resistance

Polystone CubX excels in harsh environments, with variants offering strong chemical resistance and UV stabilisation for outdoor applications, ensuring long-lasting durability.



Reduction of steel
reinforcements



Higher Stiffness and
Flexural Strength



Thermal
Insulation



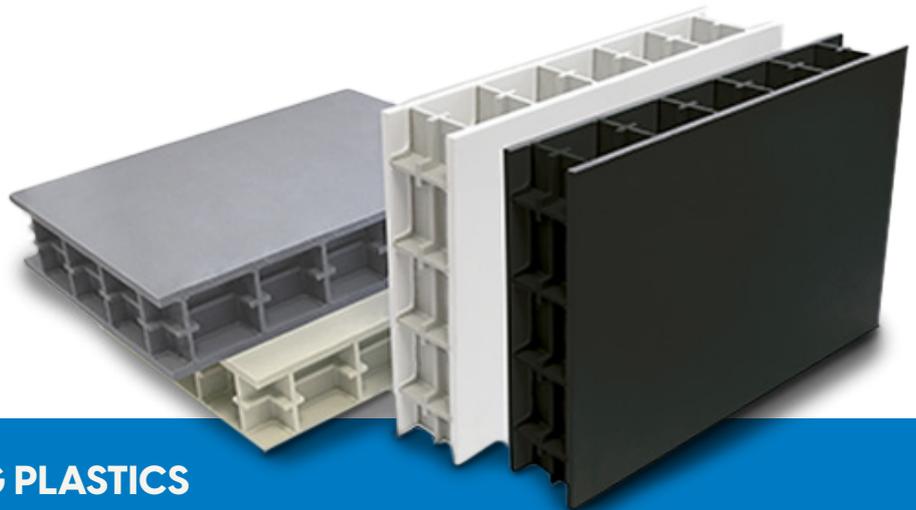
Reduced
Manufacturing Cost

COMMON APPLICATIONS

- Rectangular tanks for chemical processing plants
- Tanks in galvanizing plants
- Steel pickling plants
- Sewage treatment systems
- Cleaning systems and purification systems
- Ventilation system enclosures
- Lids and partitions for round tanks
- Retrofitting and repair of rectangular tanks
- Flood retention systems
- Fishery breeding tanks
- Swimming pool technology
- Water treatment systems
- Exhaust air cleaning plants
- Industrial tank fittings

AVAILABLE FORMATS

- Polystone G CubX
- Polystone P CubX
- Polystone PPs CubX – PP FR



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