

conversion of cooling towers

wooden structure to pultruded FRP
with existing mechanical equipment's

Cross Flow Cooling Tower



Before



After

We offer conversion of existing cross or counter flow timber cooling tower to Pultruded FRP cross or counter flow cooling tower. Pultruded FRP structural based cooling towers have proven fixed frame design.

These structures are connected to the ground with steel angles and base plates anchored and grouted to the basin. Hardware used at all the places is stainless steel. No piers and pilasters are used in the structure.

Axial fan, casing, fan cylinder, lovers are of FRP and structure, fan deck, staircase, railing, light poles and ladders etc. are all of Pultruded FRP. Wherever necessary Pultruded anti-skid surface is use for safety of Operation and Maintenance personnel.

If the condition of RCC basin and mechanical equipment's like fan, gear box, motor, header pipe, risers are in good condition we offer to reuse them again in the new cooling tower.

advantages of pultruded cooling towers

- › Lighter then steel, but the mechanical strength is high.
- › Corrosion resistant.
- › Shipping costs less because of lightweight.
- › No need for maintenance.
- › Easier and faster installation: Since Pultruded products are very light, they can be transported to difficult locations and assembled / installed very easily.
- › Installing is easy with simple tools. Self-tapping screws, bolt nuts can be used. No cracking occurs if you make a hole. No welding required.
- › Never needs extra processing (paint, galvanized coating, anodizing coating, etc.)
- › Resistant to high and low temperatures (-30 degrees + 80 degrees)
- › Not affected by moisture or chemicals.
- › UV Resistant and doesn't get crunchy with direct sunlight.
- › Profiles can be produced in the desired shape and dimensions.
- › Anti-Slip because of Anti-Skid surface.
- › Less walking noise compared with metals.
- › Superior dimensional stability.
- › Not flammable. Fire retardant additive.
- › Endless Lifetime because of min. %60 glass ingredient.
- › Electrical insulation: Pultruded composites do not need "earthing"; this represents a big saving both for installation and during use.

Structure	:	Pultruded FRP
Fan	:	FRP
Fan Cylinder	:	FRP
Casing	:	FRP
Louvers	:	FRP
Decking	:	Pultruded FRP
Ladder	:	Pultruded FRP
Supports	:	Pultruded FRP
Piping	:	Pultruded FRP / PVC
Fill / Drift	:	As per customer
Nozzle	:	PP
Mechanical Items	:	Standard
Hardware's	:	Stainless Steel / GI

our products are known for their advanced design
and premium quality

your water, power, time and cost saving solutions