



Density Current Baffles

Also known as a “Stamford Baffle”, the Protectolite™ Composites Density Current Baffle is an advanced baffle design that redirects the density currents that form at the edges of the clarifiers back towards the center, thereby improving the performance of the clarifier.



Protectolite™ Composites Density Current Baffles are modular in design, with pre-assembled baffle sections and FRP support brackets to provide reliable and trouble-free installation.

www.protectolite.com



Density Current Baffles

Density Current Baffles: Square tank installation



Density Current Baffles: Insert shows FRP support bracket



TECHNICAL DATA

References

- ASTM D 256 - Standard Test Methods for Determining the Izod Pendulum Impact Resistance of Plastics
- ASTM D 570 - Standard Test Method for Water Absorption of Plastics
- ASTM D 638 - Standard Test Method for Tensile Properties of Plastics
- ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced & Reinforced Plastics and Electrical Insulating Materials
- ASTM D 2583 - Standard Test Methods for Indentation Hardness of Rigid Plastics by means of a Barcol Impressor

Fiberglass Reinforced Plastic (FRP) Physical Properties

Tensile Strength:	ASTM D 638: 12,000psi
Flexural Strength:	ASTM D 790: 19,000psi
Barcol Hardness:	ASTM D 2583: 35
Notch Izod Impact:	ASTM D 256: 13ft-lbs/inch
Water Absorption:	ASTM D 570: <0.5%

Standard color is cement grey, other colors available upon request.

Benefits:

- Corrosion resistant
- Custom fabricated to fit each clarifier
- Lightweight and modular, for easy installation and maintenance
- Separate support brackets for ease of installation

Protectolite™ Composite FRP is a tough, impact resistant, lightweight composite fiberglass material that withstands the aggressive chemical action of corrosive substances used in industrial and municipal sites around the world. Ideal for use in outdoor

Other FRP products available from Protectolite™ Inc.



Density Current Baffles



Pro'Deck Flat Cover



Weirs, Scum Baffles & Density Current Baffles



Launder Covers

DENSITY CURRENT BAFFLES



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PRO'DECK

Flat covers composed
of interlocking planks
for easy installation and
long life.



LAUNDER COVERS

Reduce algae growth
with modular FRP
launder covers for
easy installation and
long life.