

PACKING SUPPORT PLATES

The Ceilcote Air Pollution Control Packing Support Plate is a grid that has been designed to minimize solids deposition and allow easy flushing. This Packing Support Plate (U.S. Patent No. 3,645,510) is designed for maximum free passage (open area). Injection molded using glass-filled polypropylene, the plate has excellent corrosion resistance with good temperature stability up to 250°F.

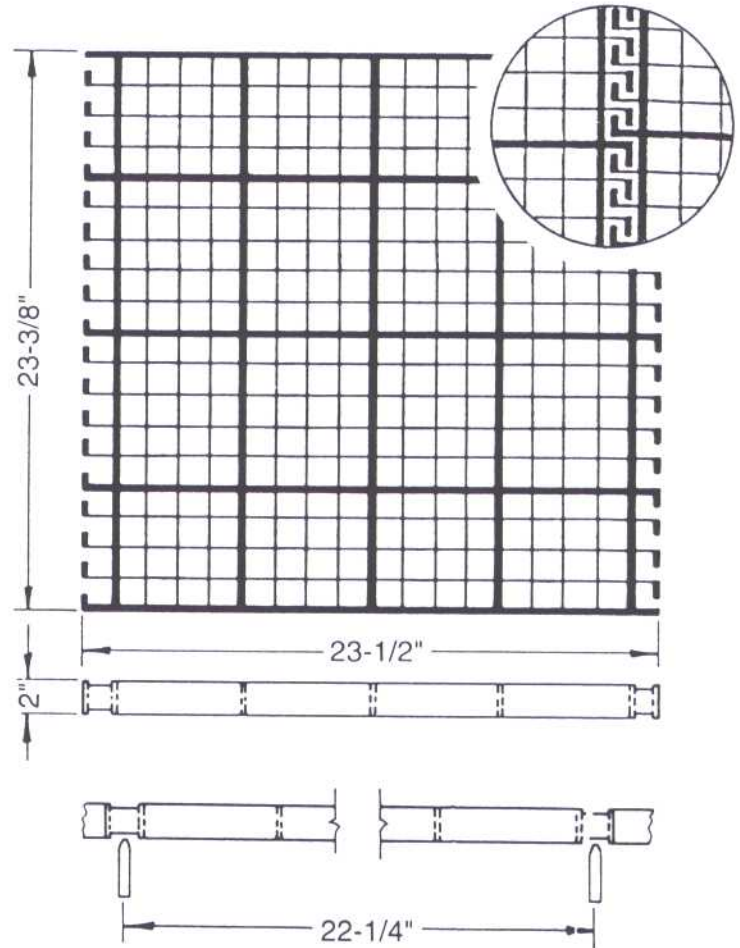
Polypropylene Glass-Filled Support Plates

Maximum Allowable Design Loading* Pounds per Square Foot		
Temp.	22" Span	11" Span
75°F	84	276
120°F	78	264
150°F	72	252
180°F	60	240
210°F	40	180

*With uniformly distributed loads and opposite edge support.

This packing support plate can be readily cut by band or hand saw to permit its use in cylindrical towers. The ends interlock on two sides to provide positive security when oriented properly in relation to the support beams. Inset in grid diagram illustrates this feature.

In crossflow or paralleled-flow packed towers, by proper orientation, the number of horizontal structural members per piece can be held to three (3). The smaller intermediate grids are also arranged so that the horizontal members have the least depth. Thus, the number and overall area of horizontal ledges where solids build-up can occur is held to a minimum.



Overall plate size	23 ^{3/8} " x 23 ^{1/2} "
Max. depth of members	2"
Min. depth of members	1/4"
Max. dimension between axis supports	22 ^{1/4} "
Open area	84%
Surface area	11.0 ft ² /plate
Weight	3.6 lb/plate