PREMABERG MANUFACTURING LIMITED

The coalescer panel frame is constructed from rolled channel section sized 22 mm x 19 mm x 1 mm thick. The material type being Austentitic Chromium Nickel stainless steel to BS1449: Part 2: 1983, Grade 304 S16.

Each PF20 coalescer panel is manufactured with Progressively structured high performance non-woven from synthetic fibres, thermally bonded, type tested. Marked in accordance with DIN 24185, hence conforms to that standard.

Each coalescer panel has two pieces of corrugated media wire support mesh, one on either side of the media. The mesh is of welded construction with dimensions of 12.5 mm x 12.5 mm x 1 mm diameter wire. The wire being Austenitic Chromium Nickel stainless steel to BS 1449: Part 2: 1983, Grade 304 S16. The mesh has a tensile strength of 662 N/mm^2.

Before installation of media within the panel frame a seal is placed inside the channel to prevent air by-passing between the media edges and the frame. The seal is 4 mm thick x 20 mm wide “Wrapnex” 701 expanded closed cell neoprene, density 192 kg/m^3 coated on side only with pressure sensitive, resin based adhesive protected by release paper. The specification of the neoprene seal is ASTM D, 1056, RE 43044 B2.

A neoprene seal is fixed to the downstream side of the coalescer panel. This seal is supplied in 10 m rolls, 4 mm thick x 15 mm wide and conforms to specification ASTM D, 1056 SCE 43B.

PERFORMANCE DATA

Arrestance (DIN 24185) A_a:	94%
Efficiency E_j:	<20
Nominal Media Velocity:	1 m/s
Initial Pressure Loss:	30 Pa
Recommended Final Pressure Loss:	250 Pa
Dust Holding Capacity:	600 g/m²
Flame Resistance:	Class F1 in accordance with DIN 53438