

Pin Adhesive Test (PAT) Fixture

Pin Adhesive Test (PAT) - This method is used to measure the force required to separate corrugated board between the flute tips of corrugated medium and its linerboard facings.

Good adhesion of the corrugated medium to its facings is important in obtaining high quality corrugated board and boxes. The pin adhesion test provides a means of determining the nature and strength of the bond formed during the combining operation and may be used to detect some manufacturing defects, such as poor adhesive penetration, spotty adhesion, and container board with low internal bond strength.



Features:

- Made by harden steel
- Custom-made; Ensure the distance between the pins were right with what board was produced special pin spacing, as well as double-wall fixtures
- Anti-rusty chrome plating, ensure lasting fixtures
- Available for “A”, “B”, “C” And “E” flutes
- Follow [TAPPI] T-821

Specification:

Model / Flute	EI-PATF/A	EI-PATF/B	EI-PATF/C	EI-PATF/E
Test Specimen	50 x 150mm	32 x 100mm	50 x 150mm	25 x 100mm
Pin Diameter	3.5mm	2mm	3mm	1.1mm
Distance Between Pin	Approx 18mm	Approx. 13mm	Approx. 16mm	Approx. 7mm
Support Pin	7 pcs			
Pressure Pin	6 pcs			
Pin Length (mm)	Approx. 77 & 64	Approx. 59 & 46	Approx. 77 & 64	Approx. 50 & 38

* Flutes per foot may vary with corrugator's manufacturer. Thus, to make appropriate apparatus use pin diameter and tolerance for each flute size, and adjust pin spacing as required to tolerances noted.