

Audit Victacor 300

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METHOD

Fifty sheets of Victacor 300, .060"- .065", were manufactured to F.S. 366. The facings were measured before combining. The sheets were measured after combining and after grinding.

RESULTS

Exhibit One shows the distribution of 100 facings before combining. The F. S. limits are .027" to .033". Six sheets were outside the limits.

Exhibit Two shows the distribution of the amount ground off the top facing. This was determined by subtracting the ground gauge of each sheet from the corresponding combined gauge. The average amount ground off was .007". This was higher than expected.

Exhibit Three shows the distribution of the thickness of the top facing after grinding. This was determined by subtracting the amount removed by grinding from the gauge of the top facing. The average was .023". None of these sheets showed a prominent pattern of ground core lumps.

Exhibit Four shows the distribution of the difference between the combined thickness and the sum of the facings plus the core.

Example:

$$\text{Combined thickness} - (\text{Top facing} + \text{bottom facing} + \text{core}) = \text{gap}$$

$$.065" - (.027" + .027" + .010") = .001"$$

Exhibit Five shows the correlation between added gauge of both facings and the gap from Exhibit Three. The lower the gauge the greater the gap. Two facings each having a gauge of .027" when combined would produce a gap of .0033" when combined. Two facings at .033" when combined would leave no gap and may even compress slightly.

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