

Distortion

Comparison of different cores

Samples

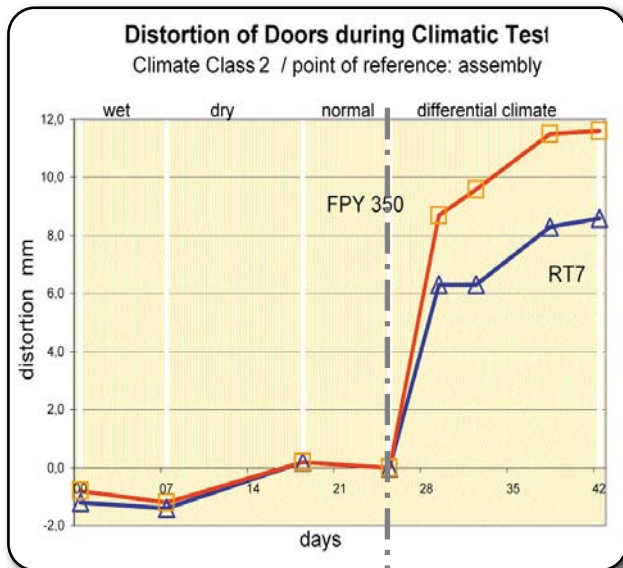
The following types of cores have been compared:

- SAUERLAND Tubular Chipboard RT7
- Flat Pressed Chipboard 350 kg/m³ (FPY 350)

Climatic test: Procedure

In the climatic chamber, the doors have been exposed to different climates for a period of 42 days:

Humid	23°C	80% rha	7 days
Dry	23°C	30% rha	11 days
Normal	23°C	50% rha	7 days
Difference	23/30°C	13/65% rha	17 days



Climatic test: Result

Similar Climates as per DIN EN 1294

Similar performance of doors under same climate on both sides.

Differential Climate as per DIN EN 1121

Level of distortion of FPY 350 increased by 35 % caused by inhomogenous density.

Similar
Climates

Differential
Climate



SAUERLAND Board:

1

:

Flat pressed board:

1,35