

Technical Report MK16234
06th October 2016

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Test Ref TAF 16314

- Cut-Tex PRO Ref: C11 machine 2 Batch 1 for cut resistance according to BS EN ISO 13997:1999.

Samples are in the unused state and have been tested on the 05th October 2016

PO Number: 2398

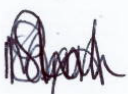
Written by Maria Kramer – Laboratory Manager

Conclusion:

Sample	Result
Cut-Tex PRO Ref: C11 machine 2 Batch 1	Level 5

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Authorised by



Mina Parmar-Shah – UKAS Quality Manager and Laboratory Scientist

Test Procedure

TP049.9 Measurement of cut resistance according to BS EN ISO 13997:1999.

BS EN ISO 13997:1999 Requirements

Cutting load	Level 4	Level 5
	>13N	>22N

Samples

- Cut-Tex PRO Ref: C11 machine 2 Batch 1

Results

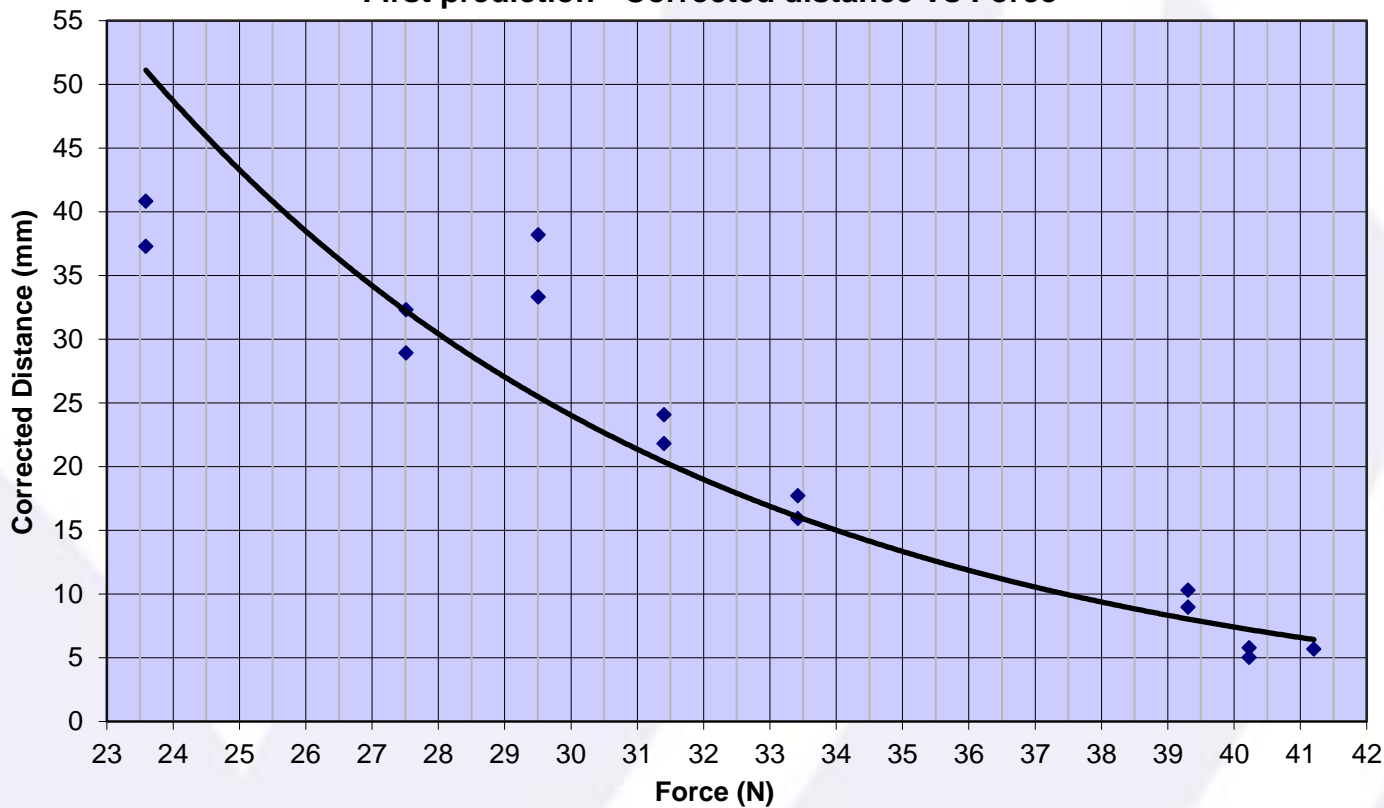
- BS EN ISO 13997:1999 Cut resistance

Blade correction factor = 0.84

Samples have been conditioned for 24 hours at 23+/-2°C and 50+/-5%RH as required by the test procedure.

Weight (g)	Force (N)	Distance (mm)	Corrected distance (mm)
2003.21	39.30	12.26	10.30
2003.21	39.30	10.67	8.96
1703.31	33.42	21.08	17.71
1703.31	33.42	18.97	15.93
1600.53	31.40	28.65	24.07
1600.53	31.40	25.96	21.81
1503.87	29.51	39.65	33.31
1503.87	29.51	45.45	38.18
1402.18	27.51	38.45	32.30
1402.18	27.51	34.44	28.93
1202.29	23.59	44.39	37.29
1202.29	23.59	48.59	40.82
2050.33	40.23	5.99	5.03
2050.33	40.23	6.89	5.79
2100.10	41.20	6.76	5.68

First prediction - Corrected distance Vs Force

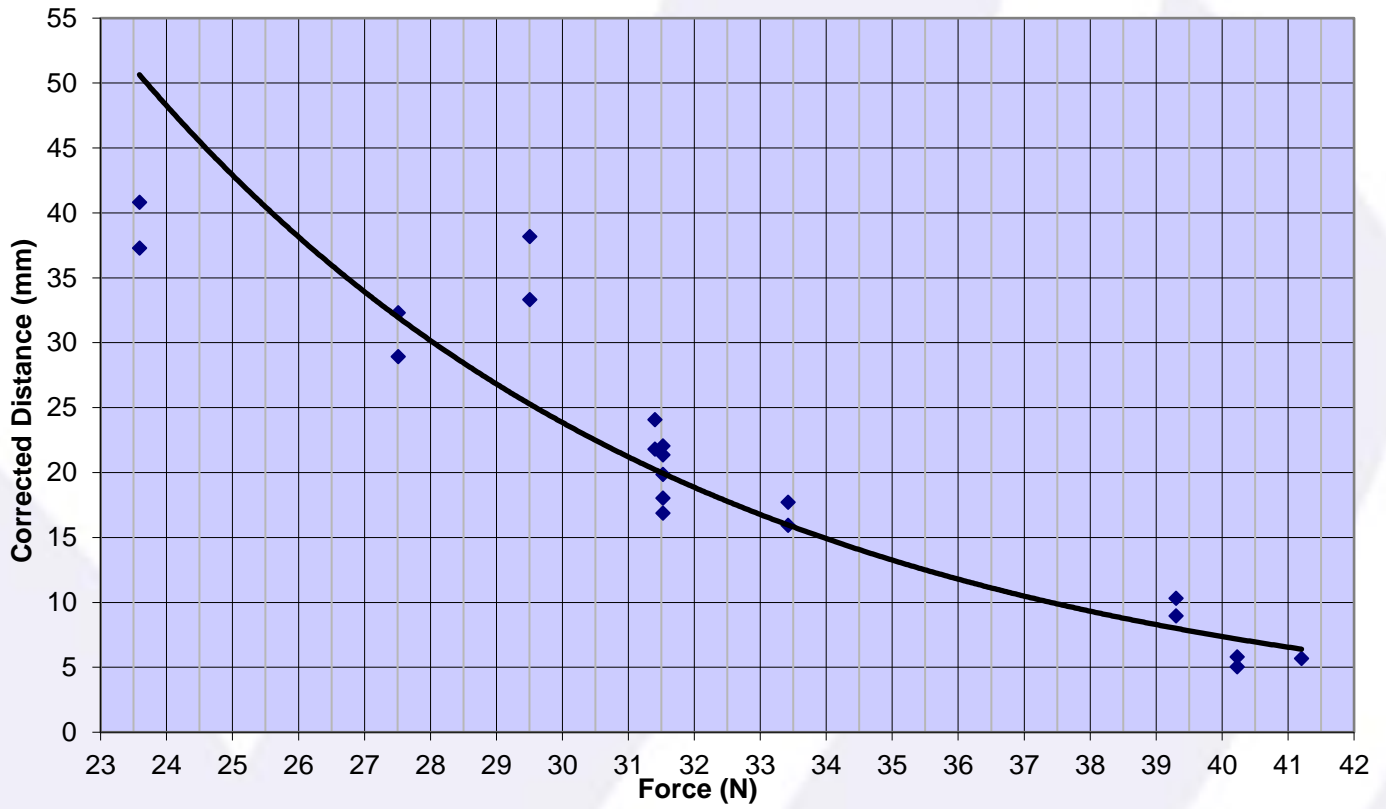


Prediction of force required to cut through the samples after 20mm = **31.5N**

Data using the 31.5N prediction:

Weight (g)	Force (N)	Distance (mm)	Corrected distance (mm)
1606.81	31.53	20.08	16.87
1606.81	31.53	21.45	18.02
1606.81	31.53	25.41	21.34
1606.81	31.53	26.25	22.05
1606.81	31.53	23.62	19.84

Final Prediction - Corrected distance Vs Force



Final prediction of force required to cut through sample after 20mm = **31.5N**

Performance level: **5**

***** END OF REPORT *****