

# Certificate of Test

**For**

XM Textiles  
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Zhongyi International Commercial Plaza  
1833 Zhongshan North Road  
Shanghai, 200061  
China

**Our reference** SPC0220549/1350/2/2  
**Date** 7th February 2014

**Product**

Retro-reflective material referenced XM6011 - MALTA

**Test Data**

EN ISO 20471:2013 requirements clauses:-

6.1	Table 4 Retro-reflective performance of new material	PASS
6.2	Table 6 – retro-reflective performance after test exposure	
	Abrasion	PASS
	Flexing	PASS
	Folding at cold temperature	PASS
	Temperature variation	PASS
	Domestic washing at 60°C (ISO 6330 - 50 cycles)	PASS
	Domestic washing at 92°C (ISO 6330 - 30 cycles)	PASS
	Dry cleaning, normal (ISO 3175 - 5 cycles)	PASS
	Influence of rainfall	PASS
	Flammability performance	
	EN469:2005, Annex B.3.1	PASS
	EN469:2005, Annex B.3.2 – 50 washing cycles, 60°C	PASS
	EN469:2005, Annex B.3.2 – 30 washing cycles, 92°C	PASS
	EN469:2005, Annex B.3.2 – 5 dry cleaning cycles	PASS
	BS EN ISO 14116:2008 Limited Flame Spread - Index 3	PASS

**Description**

Retro-reflective separate performance material

**Recommendations**

The following test reports provide full details of test data:

SPC0220549/1350/2/2

**Report date**

7th Feb. 2014

Tests marked † fall outside the UKAS Accreditation Schedule for SATRA.

All interpretations are outside the scope of UKAS

Accreditation and are based on SATRA experience.

This report is designed to indicate the performance of the sample tested by SATRA. SATRA have not approved the on-going quality control. It is the responsibility of purchasers to satisfy themselves that other production batches perform similarly.

**SIGNATURE**

M Gamble  
PPE Technologist  
Safety Products Centre