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TECHNICAL REPORT

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SUBJECT

This report was issued upon the request of Kaya Plastik Branda Sanayi ve Ticaret Limited Şirketi, dated 04.02.2014, for the assessment of endurance cold and hot aging of a blue colored PVC coated Tarpaulin.

RESULTS OF STUDY

The company requested the behaviour of the specimen when exposed to -50°C and $+70^{\circ}\text{C}$ temperature environments. No specific method was specified for the study, hence the following procedures, as applied by Turkish Armed Forces and Turkish Red Crescent, were used in the study.

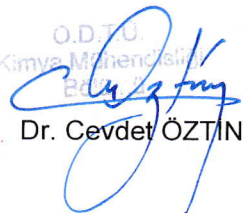
Cold Aging: Samples of 10x10 cm dimensions are kept at $-50\pm 3^{\circ}\text{C}$ conditions for 6 hours, brought to ambient conditions, and then checked for cracks, breaks and similar deformations when compared to original material.

Hot Aging: Samples of 10x10 cm dimensions are kept at $+70\pm 3^{\circ}$ conditions for 6 hours, brought to ambient conditions, and then checked for softening, sagging, lamination and similar deformations when compared to original material.

Ten samples were tested for each aging experiment. Results of observations are presented below.

Property Studied	Limit	Result
Cold Aging (-49°C / 6 hours)	Conformity	Pass
Hot Aging ($+70^{\circ}\text{C}$ / 24 hours)	Conformity	Pass

Regards,


O.D.T.U.
Kimya Mühendisliği
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