Test Report

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Customer / Contact / Reference	Customer Responsible
Bridgehill AS	Heidi Nornes Bryntesen

Title

Surface- and volume resistivity testing of Car Standard Fire Blanket

Author(s)	Approved by
Anders G. Andersen	Petter Kjellemyr

Background

On behalf of Bridgehill AS, Norner AS has performed surface- and volume resistivity testing of Car Standard Fire Blanket.

Conclusions/Proposals

The Car Standard Fire Blanket shows good surface- and volume resistivity based on these measurements and can be classified as antistatic with resistivity between 10^9 – 10^{12}.

Proposal for further work

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Attachments

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Norner AS
Dokkvegen 20
NO-3920 Porsgrunn
Norway

Web: **www.norner.no**
Mail: post@norner.no

Org.nr: NO898 736 032MVA

1 Introduction

On behalf of Bridgehill AS, Norner AS has performed surface- and volume resistivity testing on a Car Standard Fire Blanket sample.

The sample is made up of the following layers:

- 1 layer of 380 gsm pyroxene
- 2 layers of 50 gsm BridgeTech™ polymer coating

Revision 07.08.2025: Surface resistivity corrected.

2 Experiment description and results

Method	Surface- and volume resistivity – in accordance with ASTM D257
Instrument	Resistance/Resistivity Probe System Model 823-847 – Electro-Tech Systems
Specimen type	Fire blanket with pyroxene and BridgeTech™ Polymer Coating
Test conditions	100V source voltage

The samples were clamped with an ETS Model 847 press to ensure an even thickness during measuring. The sample thickness was measured to be 0.34 mm for this sample. The results of the testing are presented in Table 1.

Measurements were carried out on 2 to 3 different locations on the sample.

Measurement type	Average	Standard deviation	Resistivity
Surface	1.9×10^{9}	1.4×10^{8}	1.9×10^{9}
Volume	5.2×10^{9}	2.5×10^{7}	1.1×10^{11}

The Car Standard Fire Blanket shows good surface- and volume resistivity based on these measurements and can be classified as antistatic with resistivity between 10^{9} – 10^{12}.

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