



Mining And Surface Certification (Pty) Ltd



MASC Report No: 26-4549
Page 1 of 4

Test Report Ref. No:	26-4549	
This report was written by:	H Cronje Technical Officer	Signed:
This report was verified by:	H De Wet Technical Specialist	Signed:
Date of issue:	06 October 2025	
SANAS Test Lab	Mining and Surface Certification (Pty) Ltd (Not an ACB under the IECEx scheme)	
Address:	Unit #5, 45 Jurg Avenue, Lelyta Park, Centurion, South Africa	
Clients name:	Bosworth a DIV of Hudaco Trading (Pty) Ltd.	
Address:	21 Vereeniging Road, Alrode, 1451 Gauteng, South Africa.	
Standards:	SANS 340 (2016) Edition 3 "Conveyor belts - Laboratory scale flammability characteristics - Requirements and test methods" Clause 5.3.2.1.1 a) & b) with relevant clause(s) required for testing.	
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Test item description:	Conveyor Belt and pulley lagging repair kit	
	 a member of the Hudaco group	
Model/type reference:	Bosworth KK-FIX and Pulley Lagging Repair Kit – Squichpack Version 2	

/ . Manufacturer...

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Manufacturer:	Bosworth KK-FIX and Pulley Lagging Repair Kit – Squichpack Version 2
Address:	21 Vereeniging Road, Alrode, 1451 Gauteng, South Africa.

MARKING:

Manufacturer: Bosworth a DIV of Hudaco Trading (Pty) Ltd.
Type: Bosworth KK-FIX and Pulley Lagging Repair Kit – Squichpack Version 2
Serial Number: (See “Conditions of Certification”)

1. DESCRIPTION

Bosworth KK-FIX and Pulley Lagging Repair Kit – Squichpack Version 2
black in colour and is made up of two parts:
Part A: Polyurethane Resin (Non-Hazardous)
Part B: Activator (Non-Hazardous)

Particulars: test item vs. test requirements

2. TEST METHODS AND RESULTS

The tests were tabled as follows.

SANS 340 (2016) Edition 3 “Conveyor belts - Laboratory scale flammability characteristics - Requirements and test methods”

Table 1

Description	Results	Comments
<u>Flammability Characteristics</u> Place the test piece in the clips of the test rig, consisting of a rectangular frame not less than 500 mm high, having two sides spaced 75 mm apart on which are fitted suitable clips for mounting the test piece in a vertical plane at least 20 mm from the frame. The frame is fitted onto a suitable support to maintain the sides in a vertical orientation during the test. Carry out the test in an atmosphere having a temperature between 10 °C and 30 °C and a relative humidity between 15 % and 80 %, preferably at the same temperature and relative humidity used for conditioning or in the atmosphere applicable at the site of use, if known.	1.1) For each of the test pieces tested, report which, if any, of the test pieces underwent flame in and the duration of such flame and the sum of the periods of flame for each of the series of six. 1.2.) For each of the test pieces tested, report which, if any, underwent re-flame in and the duration of any such re-flame.	1.1) None of the test pieces that was tested underwent flame. 1.2) None of the test pieces that was tested underwent re-flame.

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MASC Report No: 26-4549

Light the burner and preheat it for 2 min. Adjust the gas flow to give a total flame height of between 150 mm to 180 mm, with an inner flame length of approximately 50 mm. Position the thermocouple in the hottest part of the flame (i.e. just above the inner flame cone) and check that the temperature is $1\,000\text{ }^{\circ}\text{C} \pm 20\text{ }^{\circ}\text{C}$. Position the burner at 45°, immediately under the central vertical axis in the planar centreline of the test piece with the top of the burner tube 50 mm below the bottom edge of the test piece. After 45 s, remove the burner from the test rig without extinguishing it. Keep the burner sheltered from any current of air if further tests are to be performed. Note immediately any flame of the test piece and the duration of any such flame and record the after flame time. Within $60\text{ s} \pm 5\text{ s}$ after removal of the burner, apply a current of air at right angles to the face of the test piece for 1 min. Note and record any reappearance of flame of the test piece and the duration of any such flaming.	1.3) For each of the test pieces tested, report which, if any, underwent smouldering/glowing particles	1.3) Some of the test pieces that was tested underwent smouldering/glowing particles
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Type / Name	Result – Main 1			
	Refer to "Table 2" Result & Comment: 1.1*	Refer to "Table 2" Result & Comment: 1.2*	Refer to "Table 2" Result & Comment: 1.3*	Flame out
Sample 1	No flame	No re-flame	No Smouldering occurred	0.52s
Sample 2	No flame	No re-flame	No Smouldering occurred	0.69s
Sample 3	No flame	No re-flame	No Smouldering occurred	0.78s
Sample 1	No flame	No re-flame	No Smouldering occurred	0.77s
Sample 2	No flame	No re-flame	No Smouldering occurred	0.61s
Sample 3	No flame	No re-flame	No Smouldering occurred	0.71s
samples total				4.08s



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MASC Report No: 26-4549

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- This report only covers the sample submitted and does not cover production units.

4. CONCLUSION**SANS 340 (2016) Edition 3 "Conveyor belts - Laboratory scale flammability characteristics - Requirements and test methods"**

From the above, the samples tested with the flammability characteristics complied to the requirements of SANS 340 (2016) Clause 5.3.2.1.1 a) & b) with relevant clause(s) required for testing.

Please do not hesitate to contact me if any of the above is unclear or needs further discussion.

Mining And Surface Certification

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