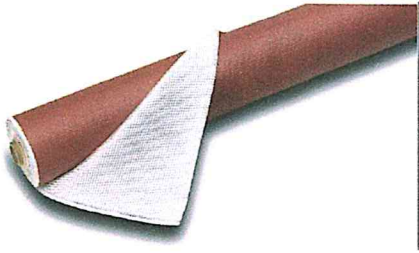




Sede legale e operativa: Via Montorfano, 66 Albese con Cassano – 22032 (Co) Italy
Tel. (+39) 031 622602 Centralino/Operator/Standard/Vermittlungsstelle
Internet: www.smartprotections.com
E-mail: smartprotections@legalmail.it
C.F. e P. I. 03554850135 – P.I. CEE IT 03554850135
R.E.A. C.C.I.A.A. CO-321022



SHILCUT

SCOPE: to evaluate resistance to fire of a fiberglass silicon coated cloth manufactured by company

SMART PROTECTIONS srl (Como) - ITALY

TEST METHOD: The fire test procedure has been evaluated according the following procedure

PART 1: Resistance to 260°C continuous temperature for 48 hours

PART 2: Resistance to 1000°C continuous flame temperature for 20 minutes



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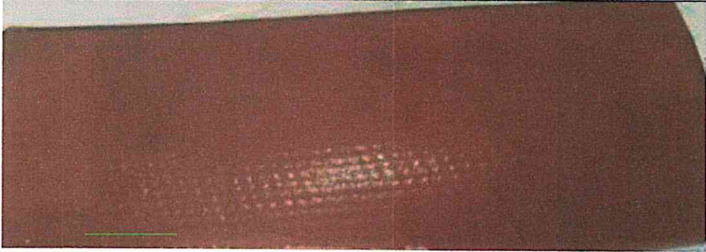

TEST DESCRIPTION:

PART 1 : RESISTANCE TO CONTINUOUS TEMPERATURE OF 260°C

- ✓ The fiberglass silicon coated cloth is assembled on a metallic pipe and clamped at the ends to make a 20 mm specimen;
- ✓ The specimen is placed in an oven with circulating air at 260°C for 48 hours
- ✓ The specimen is taken out from the oven and inspection is made to evaluate if the sleeve shows cracks, burns or any visible sign of decay both externally and internally.

Results:

The fiberglass silicon coated cloth doesn't show any sign of decay or change in properties (picture 1)

Picture 1		
		EXTERNAL side
		INTERNAL side



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PART 2 : RESISTANCE TO 1000°C CONTINUOUS FLAME for 20 minutes

- ✓ The fiberglass silicon coated cloth is assembled on a metallic pipe and clamped at the ends to make at about 15 mm specimen;
- ✓ The sample is placed under a flame provide burner device with a temperature of about 1000°C (controlled by a temperature probe) for 20 minutes continuously (see pictures 2)
- ✓ After this time the flame is taken away from the specimen and an inspection carried out to evaluate if the sleeve shows cracks, burns or any other visible sign of decay both externally and internally.



Picture 2

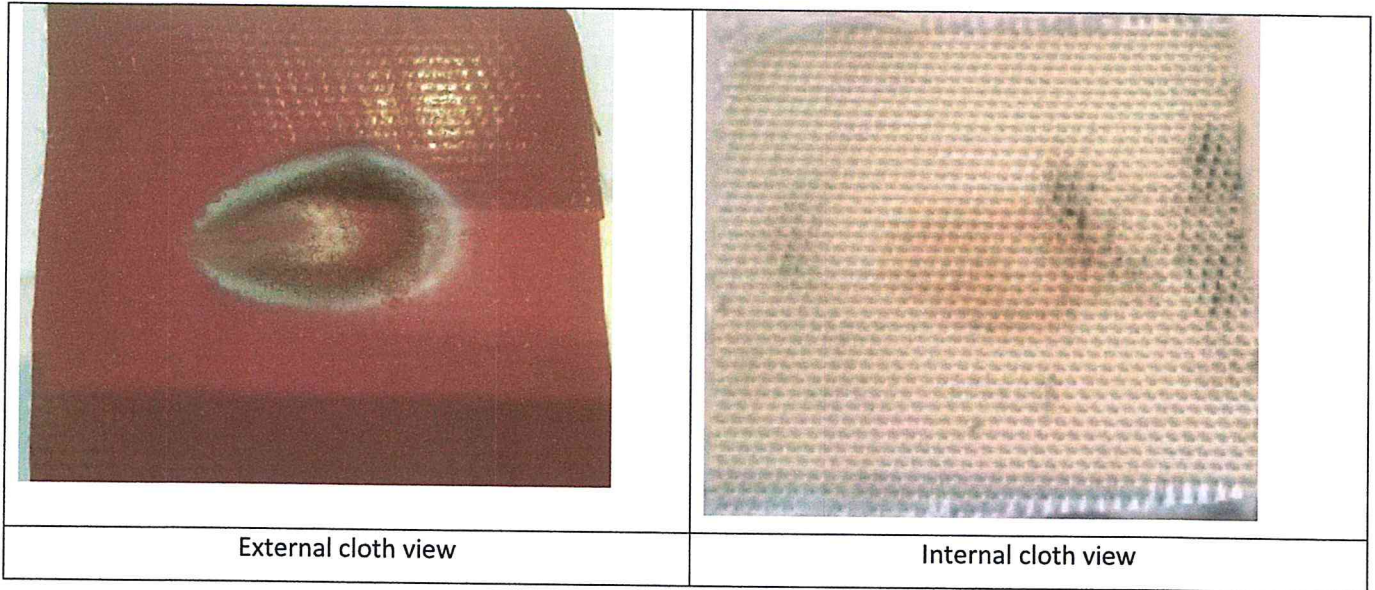
Results:

The silicone coating shows visible signs of burns and cracks

The internal sleeve does not show any sign of decay or change in properties.



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CONCLUSIONS:

The fiberglass silicon coated cloth SHILCUT is fully conforming with the testing required by our own specifications.

Date
30 June 2020

Checked by
LOCATELLI Oriana - R&D Manager

A handwritten signature in black ink, appearing to read "Oriana Locatelli".

SMART PROTECTIONS srl