



GROUPE CNPP
Département Feu et Environnement
Route de la Chapelle Réanville
CD 64 - CS 22265
F 27950 SAINT MARCEL
Tél. 33 (0)2 32 53 64 33
Fax 33 (0)2 32 53 64 68

TEST REPORT N° GA 19 0001

Requested by : **FIREXO Limited**
Coyle White Devine Boughton Business Park
Bell Lane
Amersham, Buckinghamshire, HP6 6FA
ENGLAND

Object : **Class F fire test**
with sachet for pan fires

Request registered by N° : **482 3017 19 0001**

Type of equipment tested : **Sachet for extinguishing pan fires**
For up to 3 litres of cooking oil

Date of this test report : **01/04/2019**

This test report includes : **4 pages + 2 annex**

Stamp & signature of Manager :

Groupe CNPP
Département Feu et Environnement
Pour le Directeur et par délégation
Responsable Expérimentation

Isabelle DEGUERRY
Signature électronique



www.cnpp.com

CONTENTS

- 1. AIM OF THE TESTS**
- 2. DESCRIPTION OF THE TESTS**
- 3. DESCRIPTION OF THE SACHET**
- 4. RESULTS OF THE TESTS**
- 5. CONCLUSION**

1. AIM OF THE TESTS

Evaluate the capacity of a Firexo sachet to extinguish a small class F fire following the instruction of the manufacturer.

2. DESCRIPTION OF THE TESTS

Pan fire 3F : in steel, diameter 350 mm.

Oil : 3 liters of vegetable oil

Procedure :

-Fire tests shall be carried out indoors.

-Heat the oil in the fire test tray using a suitable heating arrangement until non-piloted auto-ignition occurs.

-Auto-ignition shall occur in a maximum time of 3.5 h from the start of heating of the apparatus.

-When auto-ignition occurs :

Turn off the heat source and allow to burn freely for 120s (0/+10s) before put the sachet in pan.

- Place the sachet into pan carefully at arm's length and release hand-applied unit immediately.

3. DESCRIPTION OF THE SACHET *(see pictures on annex 1)*

Dimensions : 328 x 70 mm

Total weight : 202 g

4. RESULTS OF THE TESTS *(see picture on annex 2)*

Test N°		1
Fire size		3F
Actual ambient temperature before ignition	(°C)	12.4
Required ambient temperature before ignition	(°C)	0 à 30
Heating time before self-ignition	(h-min)	19 min
Required heating time before self-ignition	(h)	< 3.5
Self-ignition temperature	(°C)	362
Required self-ignition temperature	(°C)	330 à 380
Compliance	(yes/no)	Oui/Yes
Measured time to extinguish fire	(min-s)	5 s
Complete discharge of the extinguisher without interruption of the jet	(yes/no)	/
Projections of burning material	(yes/no)	No
Reignition in the 20 min	(yes/no)	No
Presence of oil after extinction	(yes/no)	Yes
Expansion flames observed	(yes/no)	No
Compliance	(yes/no)	Yes

5. CONCLUSION

The 3F fire was extinguished with the application of one sachet of Firexo.

Annex 1

Sachet FIREXO :





Annex 2

Class F fire test equipment after extinguishing :

