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Thành phố Hồ Chí Minh, ngày 24 tháng 08 năm 2020 www. siliconedongne

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Phân phối bởi Distribu

www. silicone

THÔNG BÁO KẾT QUẢ KIỆM TRA CHÁT TRÁM CHỐNG CHÁY 90 PHÚT

1. Đơn vị yêu cầu kiểm tra: Công ty TNHH Thương Mại Dịch Vụ Sản Xuất Thuận
Thiên Thành. han production Thien Thanh.

: Lê Trung Huy - Chức vu: Giám Đốc

Địa chỉ

: Số 26/6 Nguyễn Minh Hoàng, Phường 12, Quận Tân Bình,

TP.HCM

Mã số thuế

Phân phối bởi Distrib Tên công trình hân phơi silicon Địa chi công trình
- Mẫn đặ Mẫu đăng ký kiểm tra: Chất trám chống cháy

Ký hiệu mẫu

: SELSIL THT-M1C FIRE STOP

Số lương

: 01W.

Xuất xứ

: Thổ Nhĩ Kỳ

Hãng sản xuất

: SELSIL

Năm sản xuất

: 2019

Theo đơn đề nghị kiểm tra ngày: 14/08/2020

Phân phối bởi/Distri Thời gian thử nghiệm: Từ 04h30 ngày 21/08/2020 đến 06h00 ngày 21/08/2020

WWW. SILICOTE 2. Đơn vị kiểm tra: Trung Tâm Thiết Bị Phòng Cháy Chữa Cháy 4/10

Ông (bà): Lê Vĩnh Hà - Chức vụ: Phó Giám Đốc Trung Tâm Thiết Bị PCCC 4/10

Ông (bà): Trần Văn Khóa - Chức vụ: KS Phòng Kiểm định, Trung Tâm Thiết Bị Phân phối bởi Distrib PCCC 4/10. hấn phối bống chỉ hành nghề số: 2016/155 - Ngày cấp: 13/09/2018 Đơn vị cấp: Cục Cảnh
Sát PCCC & CNCH

3. Thiất ha

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3. Thiết bi:

Thiết bị đo nhiệt hiện số; www. www.siliconedongnam.com Phân phối bởi/Distributed by:

Đồng hồ bấm giây; hân phù sil 4. Cấu tạo mẫu:

- Mẫu chất trám chống cháy (SELSIL THT-M1C FIRE STOP) độ dày 10mm

 Kích thước mẫu thử: 230mm x 330mm www.siliconedongnan
- Ký hiệu mẫu: SELSIL THT-M1C FIRE STOP

by: COM WWW. Silicon

Số lượng: 01 Mẫu

OM S HAY

Cổ định mẫu thử vào sát miệng là nung, nhiệt lò nung sẽ tác dụng trực tiếp lên bề mặt mẫu thử.

- Cổ định đầu đo của đồng hồ độ phiết là nung sẽ tác dụng trực tiếp lên bề mặt Cố định đầu đo của đồng hồ đo nhiệt độ lên bề mặt mẫu thử không bị nhiệt độ lò núng trực tiếp nung nóng. Trình tự thử nghiệm thực biên than thi TCXDVN342:2005 (ISO 834-1), TCVN 9311-1:2012 (ISO 834-8:2000)

Bật điện lò nung, đặt chế độ của lò nung theo bảng sau:

iii.	Qua thời gian (phút)	Nhiệt độ của lò nung phải đạt (°C)
ctribut	nana	300
Pagilois of	5 yelds	361
ahôi vicon	30	sibules and 545
hân Pu Sille	60	1Disa 40115 650
MAN.	90 501 00	760 mad 82 - chil

WWW.silicon 6. Đánh giá giới hạn chịu lửa như sau:

- Tiêu chuẩn áp dụng: TCXDVN342:2005 (ISO 834-1); TCVN 384:2005 (ISO 834-1; TCVN 9311-1:2012 (ISO 834-8:2000).
- Giới hạn chịu lửa của vật liệu là thời hạn tính bằng phút, kể từ khi bắt đầu thử độ chịu lửa theo chế độ nhiệt như bảng trên, cho tới khi thấy hiện tượng như sau:
 - 180°C so với nhiệt độ trước khi thứ hay đạt dưới 220°C mà không phụ thuộc vào nhiệt độ trước khi thử.

7. Kết quả thử nghiệm như sau:

anân phối bởi Di	stributed by Tam.cor Thời gian 0 5	Nhiệt độ đo được trong lò nung (°C)	Nhiệt độ trung bình đo được trên bề mặt mẫu thử không bị nhiệt lò nung trực tiếp nung nóng (°C) tại vị trí số 01	Nhiệt độ trung bình đo được trên bề mặt mẫu thử không bị nhiệt lò nung trực tiếp nung nóng (°C) tại vị trí số 02
bunn.	0	300	49,7	49,9
Mr.	5	361	53,1	53,1
	30	5450	75,1	74,3
	60 101/10	2 650	126,6	127,1311
	90 nistrib	760	167	175,1
	Phân phối bởi Districonedo		Phân phối bởi lí NNW. SIII	conedo

MAN. 2. Mun. Thông báo này không thay Giấy chứng nhận kiểm định. Các thiết hị trên trước khi lưu thông phải được kiểm định the ngày 16/12/2014 của Pâ Các Tại thời điểm kiểm tra, Mẫu chất trám chống cháy SELSIL THT-M1C FIRE trên trước khi lưu thông phải được kiểm định theo Thông tư 66/2014/TT-BCA ngày 16/12/2014 của Bộ Công an. Thông báo này không thay Giấy chứng nhận kiểm định. Các thiết bị, phương tiên KT.GIÁM ĐỐC WWW. Siliconedongham. Phân Phối bởi/Distributed by PHÓ GIÁM ĐỐC NGƯỜI THỰC HIỆN Thượng tá Lệ Vĩnh Hà Kỹ sư Trần Văn Khóa WWW. Siliconedongham.com Phân phối bởi/Distributed by: Phân phối bởi Dist WWW. Siliconedongham.com www. silic Phân phối bởi/Distributed by: WWW. Siliconedongham.com Phân phối bởi Distributed by WWW. Siliconedongham.com Phân phối bởi Distributed by: WWW. Siliconedongham.com AMANA SHICOREDONG NAME COM Prân phối bởi Distributed by Phân phối bởi/Distributed by:

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Title:

Phân phối bởi/Distributed

and linear joints according to EN 13501-Lizu16 Fire classification of construction products and building elements. Part 2: Classification using data from fire resistance tests, excluding ventilation services. classification of classification of excluding ventilation services.



Phân phối bởi/Distributed by:

WWW. Siliconedongham

5 penetration seals and 8 linear joints protected with different products, everything supplied by the test sponsor. Test done in vertical configuration.

năn phối buii Co File number: 18/14847-115-1 Distribu

Test sponsor:

Sel Dis Ticaret Ve Kimya Sanayi A.S WWW. Siliconedongham.com Oruc Reis Mah. Tekstilkent Cad. Tekstilkent Koza Plaza B Blok, Kat 29 Phân phối bởi Distributed by: NO:110/111 34235 Esenler (Turkey)

Report Date 26 April 2018 Report Date:

18 January 2018

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Page 1



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Phân phối bởi/Distributed by:

siliconedongnam.con ion 1.- INTRODUCTION hoi bail Distributed by:
This Fire Resistance penetration www. siliconedone This Fire Resistance classification report defines the classification for a set of penetration seals and linear joints supplied.

2.- DETAILS OF CLASSIFIED ELEMENT

2.1.- Type of function
Tested elements are deswithstand the Phân phối bởi/Distributed Phân phối bởi/Distributed by: Tested elements are defined as penetration seals and linear joints. Their function is to www.siliconedongna withstand the integrity and thermal insulation criteria given in clause 5 of EN 13501-WW. siliconedong Phân phối bởi/Distributer

2.2.- Description

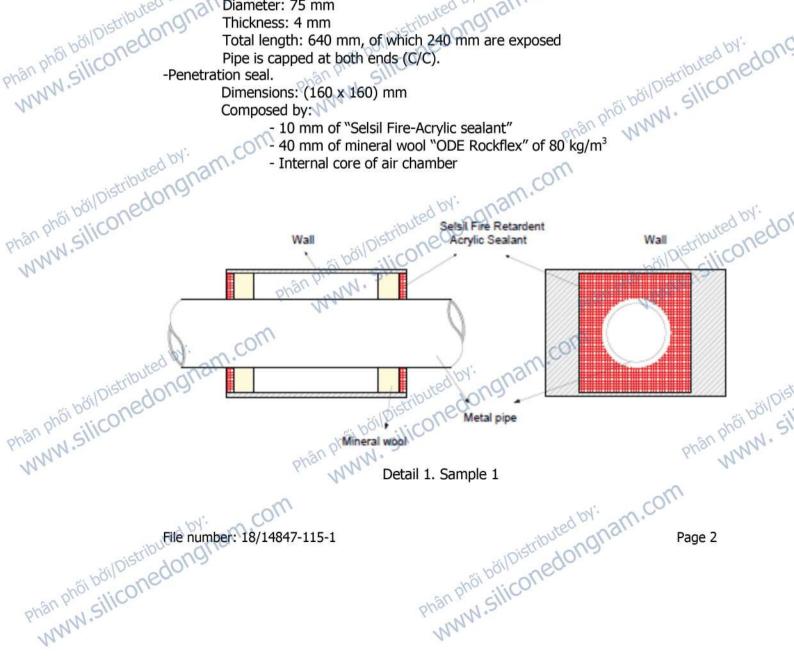
Sample 1.

- General description: metal pipe penetration seal.

Material: ST37 ste Diameter: 75 mm Thickness: 4 mm Total len Material: ST37 steel

ngnam.com

Phân phối bởi/Distributed by:



Detail 1. Sample 1

Phân phối bởi/Distributed by:

Phân phối bởi/Distribu File number: 18/14847-115-1 num www.siliconedongl

Page 2

WWW. Siliconedongham.co Phân phối bởi/Distributed by:

WWW.Siliconedongham.com Phân phối bởi/Distributed by: iconedongnam.com - General description: metal pipe penetration seal.

Material: ST37 steel Diameter: 44 mm Thickness: 4 mm

Total length: 640 mm, of which 240 mm are exposed

Pipe is capped at both ends (C/C).

Total len
Pipe is ca
-Penetration seal.

Dimensis Phân phối bởi/Distributed by

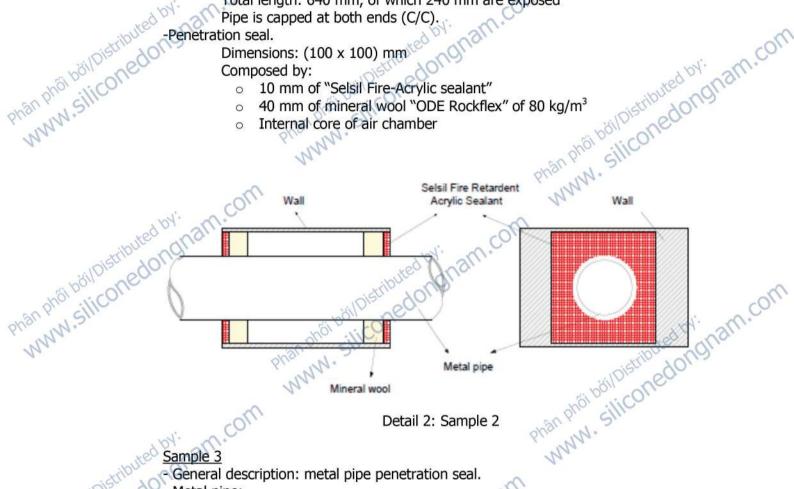
Dimensions: (100 x 100) mm

Composed by:

10 mm of "Selsil Fire-Acrylic sealant"

40 mm of mineral wool "ODE Rockflex" of 80 kg/m³

Internal core of air chamber



Detail 2: Sample 2

www.siliconedo

General description: metal pipe penetration seal.

Phán phối bởi Distributed Sample 3 General - Metal pipe:

Material: ST37 steel Diameter: 44 mm Thickness: 4 mm

Total length: 640 mm of which 240 mm are exposed.

-Penetration seal:

External collar of dimensions: 105 mm in diameter, covering the entire exposed and unexposed length from the supporting wall. Composed by:

10 mm of "Selsil Fire-Acrylic sealant"

WWW. Siliconedongham.com o_25 mm of mineral wool "ODE Rockflex" of 80 kg/m3 File number: 18/14847-115-1 Penetration seal inside supporting wall composed by:

10 mm of "Selsil Fire-Acrylic sealant"

Phân Phối bởi/Distributed by: Phân phối bởi/Distributed by Page 3 böil Distributed by: Plaboratories WWW. Siliconedongham.

- NWW. Siliconedongham.com an phối bởi/Distributed by:



WWW. Siliconedongham.com Phân phối bởi/Distributed by: Selsil Fire Retardent Acrylic Sealant

Phân phối bởi/Distributed by:

Phân phối bởi/Distributed by:

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www. siliconedonghal

Mineral wool

. www.

Phân phối

nnn

Phân Phối bởi Distributed by: Metal pipe

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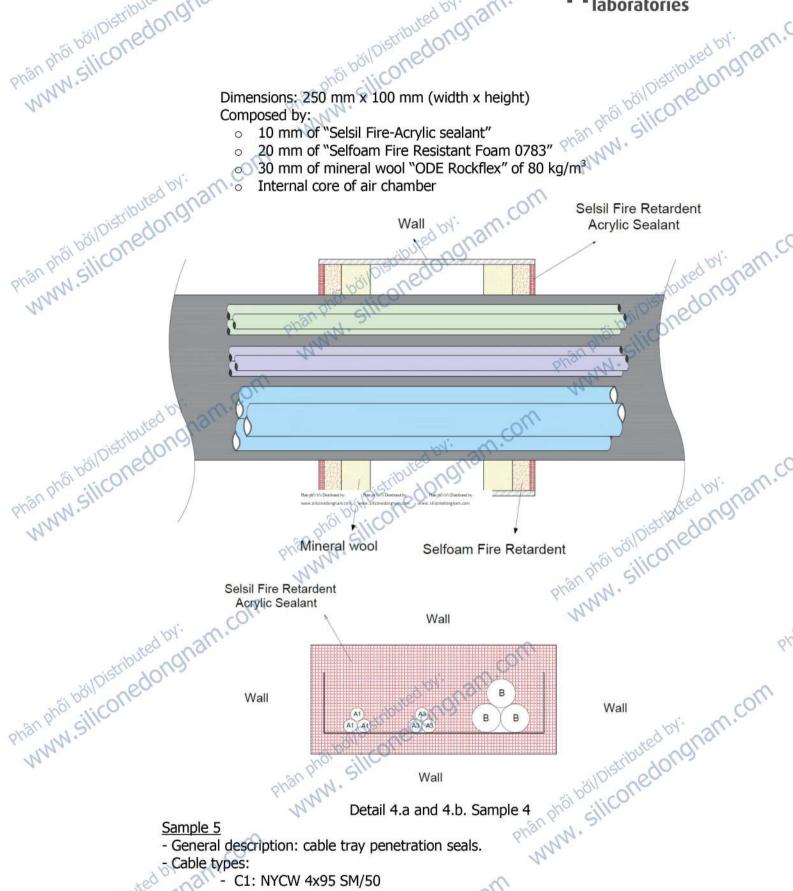
nnn.

- Sample 4
 General description: cable tray penetration seals.
 Cable types:
 A1: NYY-J-5x1.5 RE
 A3: N2XH-1 F-General desc General desc Cable types: WWW. Siliconedongham.com Phân phối bởi/Distributed by: cable tray - Penetration seal:

www.siliconedor File number: 18/14847-115-1 Phân phối bởi Dis

IIDistributed by Incorporation Corporation Confederation Corporation Corporati

www.siliconedongnam.com phối bởi/Distributed by: Dimensions: 250 mm x 100 mm (width x height) Composed by:



Detail 4.a and 4.b. Sample 4

Phân phối bởi/Distributed by:

- General description: cable tray penetration seals.
- - C1: NYCW 4x95 SM/50
 - C3: N2XH-J 4x95 SM
- General desc.
 Cable types:
 C1 www.siliconedong WWW. Siliconedongham. Phán phối bởi Distributor Cable tray: 150 mm width – 40 mm high perforated ST37 steel cable tray www.siliconedongi Phân Phối bởi/Distribut

File number: 18/14847-115-1

www.siliconedongnam.com Phân phối bởi/Distributed by: NW. siliconedongham.com - Penetration seal an phoi boil stributed by:

Dimension www.siliconedongnam.comedongna Phân phối bởi Distributed by: Dimensions: 250 mm x 100 mm (width x height) WWW.siliconedongham.co Phân phối bởi/Distributed by: 10 mm of "Selsil Fire-Acrylic sealant" 20 mm of "Selfoam Fire Resistant Foam 0783" MAND NG HAM. CON 30 mm of mineral wool "ODE Rockflex" of 80 kg/m³ Internal core of air chamber sil/conedongnam. Selsil Fire Retardent
Acrylic Sealant
Acrylic Sealant Phân Phối bởi/Distributed by Phân phối bằng kitco kedong nam. com www.siliconedonghi M Selsil Fire Retardent Acrylic Sealant Acrylic Sealant Mineral wool doWallham.com Phân phối bởi/Dist Phân Phối bởi/Distributed by: www. silice C3 C1 WWW. Siliconedongham.com Phân Phối bởi/Distributed by: Wall Detail 5.a and 5.b. Sample 5 WWW. Siliconedongrage 6 Sample 6, 7 and 9 Phân phối bởi/Distributed by: General description: vertical linear joints. File number: 18/14847-115-1 www.siliconedon Phận phối bởi/Dist

www.siliconedongnam.com phân phối bởi Distributed by: Siliconedongnam.corA Length: 900 mm
Width sample 6: 10
Width WWW. Siliconedongham Phân phối bởi/Distributed by: - 10 mm of Selsil Fire-Acrylic sealant"
- 20 mm of mineral wool "ODE Rock"
- Internal core of air chambers and the selection of the selection Wid Wid Composition: Phân phối bởi/Distributed by: www. siliconedongnam 20 mm of mineral wool "ODE Rockflex" of 80 kg/m³ NVWW. Siliconedongham.com Acrylic Sealant phân phối bởi/Distributed by: Mineral wool Wall www.siliconedon Phân phối bởi Distril www. siliconedongham. Phần phối bởi/Distributed by: WWW.siliconedongham.com Phần phối bởi/Distributed by: Wall Sample 8
General description: vertical linear joints.
Dimensions:
Length: 900 mm
Width: 20 mm
Composition: Detail 6. Sample 6, 7 and 9 www.sil Internal core of air chamber

Includes steel angle of 20x20x4 mm as indicated in detail 7 File number: 18/14847-115-17. com WWW.SiliconedongPage 7 Phân Phối bởi/Distributed by:



Detail 7. Sample 8

Samples 10, 11 and 13 are the same than 6, 7 and 9, respectively, but horizontally assembled.

Sample 12 is the same than same Phân phối bởi/Distributed by:

Supporting construction.

Phân phối bởi/Distributed by:

Phân phối bởi/Distributed by:

The complete description of the tested elements can be consulted in the test report (see clause 3 of this classification report). (see clause 3 of this classification report).

3.- TEST PER iconedongnan Phân phối bởi/Distributed by:

This classification report is based on the following test report:

File no: 18/14847-115

Issued with date: 26 of April of 2018 Test carried out on: 18 of January of 2018

Phân phối bởi/Distributed by: man phối bởil Unau do 4.2 TEST RESULTS

WWW. SILICONE 4.1.- Todongnam.com 4.1.- Test standard:
EN 1366-3: 2009 "Fire resistance tests for service installations. Part 3: Penetration Resistance tests for service installations. Part 4: Linear joint seals" (equivalent to UNE EN 1366-4:208+A1:2010). File number: 18/14847-115-1 www.siliconedongnam.com Phân phối bởi/Distributed by:

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	d by: am.com	m		Applus (Haboratories
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mna	4.2 Exposure	e conditions	T = 24E log	(9t + 1) + 20 Silbistributed onghan
	Number of eve	card sides	1 = 345 10g ₁	$\frac{1}{100} \left(\delta(t+1) + 20 \right)$
		osea sides		
	Applied load	Establish	No load applie	
Phân phối bởi/Distribute	Support condit	ions	SPORTS AND ADDRESS OF THE PARTY	construction is made of aerated as of 150 mm in thickness and 500
Phân phối bơn siliconec	4.3 Result ta	Wibdill	istributed by an enedongr	lam. edonghan
Mr.	Sample	Integrity crit	erion	Thermal insulation criterion
	Sample 1	It was maintain	ned during the	Failed at 35 minutes, when

4.3.- Result table.

n phối bởi Districonedo	Sample	ble. Integrity criterion	I nermal insulation criterion
	Sample 1	It was maintained during the entire test, 182 minutes	Failed at 35 minutes, when temperature rise of thermocouple 12 exceeds 180°C
ibuted	Sample 2	It was maintained during the entire test, 182 minutes	Failed at 97 minutes, when temperature rise of thermocouple 25 exceeds 180°C
n phối bởi Distributed NWW. SILICONE do	Sample 3	Failed at 172 minutes, ignition of cotton pad	Failed at 160 minutes, when temperature rise of thermocouple 27 exceeds 180°C
MM.SII	Sample 4	It was maintained during the entire test, 182 minutes	Failed at minute 62, when temperature rise of thermocouple 17 exceeds 180°C.
A	Sample 5	Failed at 173 minutes, ignition of cotton pad.	Failed at minute 55, when temperature rise of thermocouple 32 exceeds 180°C
oistribute ^o	Sample 6	It was maintained during the entire test, 182 minutes	It was maintained during the entire test, 182 minutes It was maintained during the entire
n phối bởi/Distributed NWW.SiliCONedO	Sample 7	It was maintained during the entire test, 182 minutes	test, 182 minutes It was maintained during the entire test, 182 minutes
WW.SIII	Sample 8	It was maintained during the entire test, 182 minutes	It was maintained during the entire test, 182 minutes
• •	Sample 9	It was maintained during the entire test, 182 minutes	It was maintained during the entire test, 182 minutes
	Sample 10	It was maintained during the entire test, 182 minutes	It was maintained during the entire test, 182 minutes
Distributed AO	Sample 11	It was maintained during the entire test, 182 minutes	It was maintained during the entire test, 182 minutes
phoi boil onece	Sample 12	It was maintained during the	It was maintained during the entire test, 182 minutes
n phối bởi/Distribedo	Sample 13	Thomas majorate is and shall be the	The company to the form of the continue
1	File number: 18/14	847-115-1	t was maintained during the entire test, 182 minutes Phân phối bởi Distributed by: Phân phối bởi Distributed by:



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5 CLASSIFICATION According to clause 7.5 of Fl	EN 13501-2:2016 standard, classification of the tested
elements is:	int: a co.
Sample	Classification
Sample 1	Classification E 180 EI 30-C/C E 180 EI 90-C/C
Sample 2	E 180 EI 90-C/C Phan WWW. Shi
Sample 3	EI 120-C/C
Sample 4	E 180 EL 60 ANATA
Sample 5	TDiagn of Oliver
Sample 6, 7, 9 Phan Phil	EI 180-V-X-M-W10 to W30
Sample 8	EI 180-V-X-M-W20
Sample 10, 11, 13	EI 180-T-X-M-W10 to W30
Sample 12	EI 180-T-X-M-W20
6 FIELD OF DIRECT APPLI	EI 180-T-X-M-W20 CATION rding to EN 1366-3:2009 (samples 1 to 5).
6.1 Penetration seals accor	rding to EN 1366-3:2009 (samples 1 to 5).
6.1.1 General. - Orientation	constration as Market Mills and Mills (Mall)
	5 CLASSIFICATION According to clause 7.5 of E elements is: Sample Sample 1 Sample 2 Sample 3 Sample 4 Sample 5 Sample 6, 7, 9 Sample 8 Sample 10, 11, 13 Sample 12 6.1 Penetration seals according to clause 7.5 of E elements is:

- Unentation

Test results are applicable to penetration seals assembled in vertical division (wall).

- Supporting construction

Test results are applicable to the seal of t Phân phối bởi Distributed I Test results are applicable to concrete or masonry elements of a thickness and density equal to or greater than that of the used in the test. www. silico

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www.siliconedongham.com Phân phối bởil Distributed by: ongnam.com - Service support construction, Stributed by:
Metal trays with melting point in the first of the stributed by: Metal trays with melting point higher than the furnace temperature at the classification nedongna' time (e.g. stainless steel, galvanised steel) are covered.

MMM. SILL

- using standard wall and floor configurations are valid for any (III terms of linear dimensions) equal to or smaller than the tested provided that:

 Total amount of cross sections of the services (including insulation) does not exceed 60 % of the penetration area.

 Working clearances are not smaller than the minimum working clearance in the annexes A, B, E and F of EN 1366-3:2000 test report.

 Distance between
 - Phân phối bởi/Distributed by: www. siliconedongna

6.1.2 Metal pipes (samples 1, 2, 3).

Pipe diameter and pipe wall thickness.

samples 1 and 2.
Pipe Diameters from 44 mm to 75 mm
Pipe Wall thickness: up to 14.2 mm
Sample 3 Pipe Wall thickness: up to 14.2 mm

Sample 3

Valid for the to

Valid for the tested pipe diameter and pipe wall thickness up to 14.2 mm.

bdilDistributed by: nedongna Results of test covers pipe materials with a thermal conductivity lower than that tested, subject to the material having a melting point at least equal to that of the material ested or give period. M. Phân phối bởi Distributer period. M. tested or greater than the furnace temperature achieved at the required classification han phối bởi Việc người Pipe arrangement.

Test result

Test result covers arrangement as tested. Anguard Political Politi silicone

Results cover only single penetration seals of the same type.

medongnam.com

- ripe end configuration.

Result covers only C/C configurations.

Pipes fitted with an ' Pipes fitted with an insulation material (only Sample 3).

According to test sponsor data, sample 3 en No.

A2 class (ODE Rocket-According to test sponsor data, sample 3 fitted with an insulation material having class Phân Phối bởi/Distribured uy.

Phân Phối bởi/Distribured uy.

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phân phố

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Phân phối bởi/Distributed by: Test results covers only insulated pipes.

bhau bun

WWW. SINCE

www.siliconedongnam.com ledongnam.com Test conducted on non-insulated pipes covers the integrity criterion of pipes with interrupted insulation.

Thickness of the insulation can be in-

Density of the insulation may be increased but may not be reduced.

Test results does not cover pipe insulated with a least the photosic production.

Test results does not cover pipe insulated with a least test results. Test results does not cover pipe insulated with glass wool.

Test results cover all angles between and the state of the st

6.1.3 Cable penetration seals (samples 4 and 5)

Test results cover circular seals.

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Phân phối bởi Distributed by:

Phân phối bởi Distributed by:

- cable type and size

Test results cover tested cable types.

- Cable support

Test Phân phối bởi/Distributed Test results cover tested cable types.

- Cable support
Test results cover situations where the support does not pass through the seal. Phân phối bởi/Distributed by: www.siliconedongnam www. siliconed

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Test results are applicable to vertical and horizontal linear joints in a vertical construction, provided that the supporting construction and the location of the linear joint remain under the linear joint remains under the lin the linear joint remain unchanged.

construction.

i est results are applicable to concrete, block work and thickness and density equal to or greater than that tested.

6.2.3 Seal position.

Test results are valid **6.2.2 Supporting construction.**Test results are applicable to concrete, block work and masonry separating elements of a 6.2.3 Seal position.
Test results are valid

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The validity period is the one indicated in the product certification system.

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Fire Resistance Responsible

The results refer exclusively to the sample, product or material surrendered to the Laboratory, just as it is informed in the section of received material and tested under the conditions indicated in the mentioned in this document.

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