

1 **SUPPLEMENTARY EU - TYPE EXAMINATION CERTIFICATE**

2 **Component Intended for use on/in an Equipment or Protective System  
Intended for use in Potentially Explosive Atmospheres  
Directive 2014/34/EU**

3 Supplementary EU - Type Examination Certificate Number: **Baseefa15ATEX0194U/1**

3.1 In accordance with Article 41 of Directive 2014/34/EU, EC-Type Examination Certificates referring to 94/9/EC that were in existence prior to the date of application of 2014/34/EU (20 April 2016) may be referenced as if they were issued in accordance with Directive 2014/34/EU. Supplementary Certificates to such EC-Type Examination Certificates, and new issues of such certificates, may continue to bear the original certificate number issued prior to 20 April 2016

4 Product: **C1 Core Sealer**

5 Manufacturer: **nVent Thermal LLC**

6 Address: **307 Constitution Drive, Menlo Park, CA 94025, USA**

7 This supplementary certificate extends EC – Type Examination Certificate No. **Baseefa15ATEX0194U** to apply to products designed and constructed in accordance with the specification set out in the Schedule of the said certificate but having any variations specified in the Schedule attached to this certificate and the documents therein referred to.

8 SGS Baseefa, Notified Body number 1180, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that the product, as modified by this supplementary certificate, has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

SGS Baseefa Customer Reference No. **0865**

Project File No. **17/0865**

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**R S SINCLAIR**  
**TECHNICAL MANAGER**

On behalf of SGS Baseefa Limited

**M POWNEY**  
Certification  
Manager

13

## **Schedule**

14

**Certificate Number Baseefa15ATEX0194U/1**

15

### **Description of the variation to the Product**

#### **Variation 1.1**

To confirm the certificate is now held in the name of nVent Thermal LLC.

#### **Variation 1.2**

To update the product marking label to show the name of nVent Thermal LLC.

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### **Report Number**

SGS Baseefa certification report GB/BAS/ExTR18.0101/00.

17

### **Schedule of Limitations**

None additional to those listed previously.

18

### **Essential Health and Safety Requirements**

Compliance with the Essential Health and Safety Requirements is not affected by this variation.

19

### **Drawings and Documents**

<b>Number</b>	<b>Sheet</b>	<b>Issue</b>	<b>Date</b>	<b>Description</b>
906589-A	1 of 1	L	05/10/18	CS-100-A (Core Sealer Approval Drawing)

This drawing is common to Baseefa15ATEX0194U and IECEx BAS 15.0137U and is held with the latter.

**EC - TYPE EXAMINATION CERTIFICATE**

**Component Intended for use on/in an Equipment or Protective System  
Intended for use in Potentially Explosive Atmospheres - Directive 94/9/EC**

- 3 EC - Type Examination Certificate Number: **Baseefa15ATEX0194U**
- 4 Component: **C1 Core Sealer**
- 5 Manufacturer: **Pentair Thermal Management, LLC**
- 6 Address: **307 Constitution Drive, Menlo Park, CA 94025, USA**
- 7 This component and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- 8 Baseefa, Notified Body number 1180, in accordance with Article 9 of the Council Directive 94/9/EC of 23 March 1994, certifies that this component has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of components intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in confidential Report No. **GB/BAS/ExTR15.0299/00**.
- 9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0: 2012 + A11: 2013 IEC 60079-7: 2015**
- except in respect of those requirements listed at item 18 of the Schedule.
- 10 The sign "U" is placed after the certificate number. It indicates that this certificate must not be mistaken for a certificate intended for an equipment or protective system. This partial certification may be used as a basis for certification of an equipment or protective system.
- 11 This EC - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified Component. Further requirements of the Directive apply to the manufacturing process and supply of this component. These are not covered by this certificate.
- 12 The marking of the component shall include the following :

**Ex II 2 G Ex eb IIC Gb**

Baseefa Customer Reference No. **0865**

Project File No. **13/1047**

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*R S Sinclair*  
**R S SINCLAIR**

**GENERAL MANAGER**

On behalf of SGS Baseefa Limited

13 **Schedule**

14 **Certificate Number Baseefa15ATEX0194U**

15 **Description of Component**

The C1 Core Sealer is rated for use with conductor cores of up to 3.5 mm<sup>2</sup> in cross-sectional area and for voltages of up to 500V. It is manufactured from a non-metallic flexible material and features two sleeves that join at one end.

The C1 Core Sealer is designed to separate and segregate conductor cores of trace heating cables, to ensure creepage and clearance distances are maintained. The C1 Core Sealer is only for use in Ex certified enclosures or as part of an Ex certified trace heating system.

The C1 core sealer features two parallel disposable tubes, filled with a non-curing temperature resistant grease, which aids the installation of the conductor cores and helps protect the heating element from the outside environment.

The C1 Core Sealer may be cold applied, and the non-curing grease allows the C1 to be removed and reapplied for maintenance purposes.

The C1 Core Sealer is also sold under the alternative brand name of Raychem C1 Core Sealer.

16 **Report Number**

SGS Baseefa Certification Report GB/BAS/ExTR15.0299/00.

17 **Schedule of Limitations**

1. The C1 Core Sealer shall be installed inside an Ex equipment certified enclosure.
2. The service temperature range for the C1 Core Sealer is -50°C to +200°C.
3. The installer is to carry out a dielectric strength test on the Ex equipment in which the C1 Core Sealer is fitted. No dielectric breakdown shall occur. (Alternatively an insulation resistance test may be undertaken in accordance with IEC 60079-30-2).

18 **Essential Health and Safety Requirements**

As follows, in addition to those covered by the standards at item 9.

Clause	ATEX Essential Health and Safety requirements not fully covered by standards	Result – Remark	Verdict
1.2.7	LVD type requirements	Standards require manufacturer's declaration, supplied.	Pass
1.2.8	Overloading of equipment (protection relays, etc.)	Covered by installation rules and manufacturer's instructions	Pass
1.4.1	External effects	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions	Pass
1.4.2	Aggressive substances, etc.	The Purchaser should make the manufacturer aware of such issues. Covered in Instructions	Pass

19 **Drawings and Documents**

Number	Sheets	Issue	Date	Description
906589-A	1 of 1	K	11/05/15	CS-100-A (Core Sealer Approval Drawing)

This drawing is common to Baseefa15ATEX0194U and IECEx BAS 15.0137U and is held with the latter.