



EC Declaration of Performance

Sprinklers K80

Model RD020-RD025, RD030-RD031

EC Declaration of Performance

According to EU Construction Products Regulation No. 305/2011

1. Product

Sprinkler

2. Product type

RD020	C/UP sprinkler	K80	DN15 (1/2")	standard response
RD021	C/UP sprinkler	K80	DN15 (1/2")	quick response
RD022	SSP sprinkler	K80	DN15 (1/2")	standard response
RD023	SSP sprinkler	K80	DN15 (1/2")	quick response
RD024	SSU sprinkler	K80	DN15 (1/2")	standard response
RD025	SSU sprinkler	K80	DN15 (1/2")	quick response
RD030	C/UP sprinkler	K80	DN15 (1/2")	special response
RD031	SSP sprinkler	K80	DN15 (1/2")	special response
RD032	SSU sprinkler	K80	DN15 (1/2")	special response

Finish: Plain (natural brass), Chrome, Powdercoat (poly)

3. Intended use

Sprinklers for fire control/suppression in land based buildings and structures

4. Manufacturer

**Rapdrop Global
Rutland Business Park
Newark Road
Peterborough
PE1 5WA
United Kingdom**

5. System of assessment

System 1

6. Notified body

**BRE Global Assurance (Ireland) Limited
DCU Alpha, Old Finglas Road, Dublin, Ireland
Notified Body number 2831**

7. EC Certificate Number

2831-CPR-S2063



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8. Declared properties and performance

Harmonised technical specification
EN 12259-1:1999 with amendments A1, A2, A3

Essential characteristics	Requirement clauses in this standard	Performance
Nominal activation conditions Nominal operating temperature Operating temperatures Function	4.3 4.4 4.6	Complies Complies Complies
Distribution of extinguishing media Water flow and distribution	4.5	Complies
Response delay (response time) Thermal response	4.15	Complies
Operational reliability Product assembly Function Strength of sprinkler body and deflector Strength of release element Leak resistance Heat exposure - uncoated sprinklers Heat exposure - coated sprinklers Water hammer Resistance to vibration Resistance to impact Resistance to low temperature	4.1 4.6 4.7 4.8 4.9 4.10.1 4.10.2 4.14 4.17 4.18 4.19	Complies Complies Complies Complies Complies Complies Complies Complies Complies Complies Complies
Durability, resistance to heat exposure Heat exposure - uncoated sprinklers Heat exposure - Glass bulb sprinklers Resistance to vibration	4.10.1 4.10.3 4.17	Complies Complies Complies
Durability, resistance to thermal shock Thermal shock	4.11	Complies
Durability, resistance to corrosion Stress corrosion Integrity of sprinkler coatings	4.12 4.13	Complies Complies

The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 4.

Signature of a person authorized by the manufacturer

Name, position

Rebecca Kesmen
Quality and Supplier Development Manager

Signature 

Issue date, place
03/06/2020, Peterborough, UK