



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	RD020xxx (P/C/Ryyyy)
RD021	C/UP sprinkler	RD021xxx (P/C/Ryyyy)
RD022	SSP sprinkler	RDM022xxx (P/C/Ryyyy)
RD023	SSP sprinkler	RDM023xxx (P/C/Ryyyy)
RD024	SSU sprinkler	RDM024xxx (P/C/Ryyyy)
RD025	SSU sprinkler	RDM025xxx (P/C/Ryyyy)
RD030	C/UP sprinkler	RDM030xxx (P/C/Ryyyy)
RD031	SSP sprinkler	RDM031xxx (P/C/Ryyyy)
RD032	SSU sprinkler	RDM032xxx (P/C/Ryyyy)

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

3. Intended use

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

4. Manufacturer

**Rapidrop 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	4.3	Complies
Operating temperatures	4.4	Complies
Function	4.6	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	4.1	Complies
Function	4.6	Complies
Strength of sprinkler body and deflector	4.7	Complies
Strength of release element	4.8	Complies
Leak resistance	4.9	Complies
Heat exposure - uncoated sprinklers	4.10.1	Complies
Heat exposure - coated sprinklers	4.10.2	Complies
Water hammer	4.14	Complies
Resistance to vibration	4.17	Complies
Resistance to impact	4.18	Complies
Resistance to low temperature	4.19	Complies
Durability, resistance to heat exposure		
Heat exposure - uncoated sprinklers	4.10.1	Complies
Heat exposure - Glass bulb sprinklers	4.10.3	Complies
Resistance to vibration	4.17	Complies
Durability, resistance to thermal shock		
Thermal shock	4.11	Complies
Durability, resistance to corrosion		
Stress corrosion	4.12	Complies
Integrity of sprinkler coatings	4.13	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.

Position: Business Management Systems and ISO Manager

Name: Craig Galloway

Signature: *Craig Galloway*

Issue date: 05/07/2024

Place: Peterborough, UK