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Declaration of Performance 0007-170E

Quick-Lock Omega

1. Unique identification of product: Quick-Lock® Omega
2. Identification of the construction product components:
 - Carrier profiles: BR 50, BR 75, BR 100, BR 125, BR 150, OmegaPlus 100.
 - Cross profiles: Z-45, Z-60, Z-70, Quick-Lock 24/38 1800BR100.
 - Accessories: Corner connector 90°, Adjustable cross connector 45°-135°, Omega splice, Cross connector, Wall connector, Omega splice for Omega Plus, Cross connector for Omega Plus, Wall connector for Omega Plus.
3. Intended use: Suspended ceiling substructure component for use internally in buildings.
4. Manufacturer: Saint-Gobain API BV Newtonweg 1 Harderwijk The Netherlands
www.api.nl
5. Authorized representatives: n.a.
6. System of assessment and verification of performance:
 - 6.1. Loadbearing capacity: System 3
 - 6.2. Reaction to fire: Coil-coated steel system 3, Galvanized steel system 4
 - 6.3. Durability: System 4
7. Harmonized standard covering the construction product:
EN 13964: 2014 suspended ceilings:
 - 7.1. Loadbearing capacity: Tests carried out by NB0432 MPA Dortmund; NB1153 TNO Delft
 - 7.2. Reaction to fire: Galvanized steel Commission decision 96/603/EC; Coil-coated steel Commission decision 2010/737/EC: Tests carried out by NB 0679 CSTB RA08-0251,
 - 7.3. Durability: EN 13964 Table 8
8. European Technical Assessment: n.a.

QUICK-LOCK® Ceiling systems

9. Declared performances

| | 7.1 Load bearing capacity | | | | | | 7.2 Reaction to fire | 7.3 Durability |
|-------------------------------|---------------------------|-----------------------|---|--|--|------------------|----------------------------|-------------------|
| | Deflection | Span min/max mm | Admissible bending moment (M _{adm}) Nm | Maximum bending moment (M _u) Nm | Bending stiffness (EI) Nm ² | Notified body | | |
| BR 50 | Class 1 | 1250 / 2500 | 27,8 | 266,5 | 3624 | NB1153 | Class A1 | Class B |
| BR 75 | Class 1 | 1250 / 2500 | 27,8 | 266,5 | 3624 | NB1153 | Class A1 | Class B |
| BR 100 | Class 1 | 1250 / 2500 | 33,9 | 274,2 | 4419 | NB1153 | Class A1 | Class B |
| BR 125 | Class 1 | 1250 / 2500 | 33,9 | 274,2 | 4419 | NB1153 | Class A1 | Class B |
| BR 150 | Class 1 | 1250 / 2500 | 33,9 | 274,2 | 4419 | NB1153 | Class A1 | Class B |
| OmegaPlus 100 | Class 1 | 1250 / 2500 | 34,3 | 272,6 | 4459 | NB1153 | Class A1 | Class B |
| Z-45 | Class 1 | 1100 / 2200 | 23,4 | 58,5 | 2939 | NB1153 | Class A1 | Class B |
| Z-60 | Class 1 | 1250 / 2500 | 23,2 | 58,0 | 5444 | NB1153 | Class A1 | Class B |
| Z-70 | Class 1 | 1400 / 2800 | 25,3 | 63,4 | 8163 | NB1153 | Class A1 | Class B |
| Quick-Lock 24/38 1800BR100 | Class 1 | 1250 / 2500 | 13,4 | 33,5 | 1913 | NB0432 | Class A1 | Class B |

| | 7.1 Load bearing capacity | | | | 7.2 Reaction to fire | 7.3 Durability |
|-------------------------------------|---------------------------|----------------------------|--------------------------|------------------|----------------------------|-------------------|
| | Fixation distance mm | F _{ef} 0,8mm N | F _{ef} 4mm N | Notified body | | |
| Corner connector 90° | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Adjustable cross connector 45°-135° | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Omega splice | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Cross connector | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Wall connector | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Omega splice for Omega Plus | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Cross connector for Omega Plus | n.a. | n.a. | n.a. | | Class A1 | Class B |
| Wall connector for Omega Plus | n.a. | n.a. | n.a. | | Class A1 | Class B |

Tolerances and dimensions fulfil the requirements as specified in EN 13964 table 2.

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performances point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for on behalf of the manufacturer:



Per-Erik Velin
Managing Director
Harderwijk NL, 01-06-2020