

## DECLARATION OF PERFORMANCE

No. DoPYD30-03

**1. Unique identification code of the product-type:**

YD30, YD30M

**2. Type, batch or serial number or any other element allowing identification of the construction product as required pursuant to Article 11(4):**

Cobalt (YD30), Cobalt-mini (YD30M) Lock and Strike Plate

**3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:**

On fire and/or smoke controlled doors according to EN 14846:2008

**4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):**

**BQT Solutions (SEA) Pte Ltd**  
41B Neil Road, #03-01  
Singapore 088824  
Phone: +65 62207970

**5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2):**

**Intertek Deutschland GmbH**  
Stangenstraße 1  
70771 Leinfelden-Echterdingen  
Germany  
Phone: +49 (711) 27311-310

**6. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:**

AVCP System 1

**7. In case of the declaration of performance concerning a construction product covered by a harmonised standard:**

*Notified Body No. 0905 Intertek Deutschland GmbH performed the determination of the product type on the basis of type testing (including sampling), type calculation, tabulated values or descriptive documentation of the product, initial inspection of the manufacturing plant and of factory production control, and the continuous surveillance, assessment and evaluation of factory production control under System 1 and issued certificate of constancy of performance, certificate of conformity of the factory production control, and test/calculation reports.*

**8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:**

*Not Applicable*

## 9. Declared Performance

Classification code and essential characteristics according to EN 14846:2008

<b>Position</b>	1	2	3	4	5	6	7	8	9
<b>Section</b>	4.3	4.4	4.5	4.6	4.7	4.8	4.9	4.10	4.11
<b>Class</b>	3	Y	9	F	0	0	0	1	1/3*

<b>Position</b>	<b>Characteristics</b>	<b>Performance</b>
1	<b>Category of Use</b>	1 – For use by persons with large incentive for care 2 – For use by persons with some incentive for care 3 – For use by persons with less incentive for care
2	<b>Durability</b>	A – 50.000 testing cycles, no load of the keeper B – 100.000 testing cycles, no load of the keeper C – 200.000 testing cycles, no load of the keeper F – 50.000 testing cycles, load of the keeper 10 N G – 100.000 testing cycles, load of the keeper 10 N H – 200.000 testing cycles, load of the keeper 10 N L – 100.000 testing cycles, load of the keeper 25 N M – 200.000 testing cycles, load of the keeper 25 N R – 100.000 testing cycles, load of the keeper 50 N S – 200.000 testing cycles, load of the keeper 50 N W – 100.000 testing cycles, load of the keeper 120 N X – 200.000 testing cycles, load of the keeper 120 N Y – 200.000 testing cycles, load of the keeper 250 N
3	<b>Door Mass and Closing Force</b>	1 – ≤ 100 kg door weight, max 50 N closing force 2 – ≤ 200 kg door weight, max 50 N closing force 3 – > 200 kg defined by the manufacturer, max 50 N closing force 4 – ≤ 100 kg door weight, max 25 N closing force 5 – ≤ 200 kg door weight, max 25 N closing force 6 – > 200 kg defined by the manufacturer, max 50 N closing force 7 – ≤ 100 kg door weight, max 15 N closing force 8 – ≤ 200 kg door weight, max 15 N closing force 9 – > 200 kg defined by the manufacturer, max 50 N closing force
4	<b>Fire/Smoke Resistance</b>	0 – Not suitable for use in smoke and fire doors A – Suitable for use in smoke doors B – Suitable for use in fire doors, resistance time ≤ 15 min C – Suitable for use in fire doors, resistance time ≤ 30 min D – Suitable for use in fire doors, resistance time ≤ 60 min E – Suitable for use in fire doors, resistance time ≤ 90 min F – Suitable for use in fire doors, resistance time ≥ 120 min
5	<b>Safety</b>	0 – No safety requirements

6	<b>Corrosion Resistance</b>	<p>0 – Corrosion none, Temperature none, Humidity none  A – Corrosion none, Temperature none, Humidity Grade 1  B – Corrosion none, Temperature none, Humidity Grade 2  C – Corrosion low resistance, Temperature +5°C to +55°C, Humidity Grade 1  D – Corrosion medium resistance, Temperature +5°C to +55°C, Humidity Grade 1  E – Corrosion high resistance, Temperature +5°C to +55°C, Humidity Grade 1  F – Corrosion very high resistance, Temperature +5°C to +55°C, Humidity Grade 1  G – Corrosion medium resistance, Temperature -10°C to +55°C, Humidity Grade 1  H – Corrosion high resistance, Temperature -10°C to +55°C, Humidity Grade 1  J – Corrosion very high resistance, Temperature -10°C to +55°C, Humidity Grade 1  K – Corrosion medium resistance, Temperature -25°C to +70°C, Humidity Grade 2  L – Corrosion high resistance, Temperature -25°C to +70°C, Humidity Grade 2  M – Corrosion very high resistance, Temperature -25°C to +70°C, Humidity Grade 2  N – Corrosion none, Temperature -25°C to +70°C, Humidity Grade 1  G – Corrosion none, Temperature -25°C to +70°C, Humidity Grade 2</p>
7	<b>Security</b>	<p>0 – Applies for locks without any protective effect  1 – Minimum protective effect without drilling resistance  2 – Low protective effect without drilling resistance  3 – Medium protective effect without drilling resistance  4 – High protective effect without drilling resistance  5 – High protective effect with drilling resistance  6 – Very high protective effect with drilling resistance  7 – Very high protective effect with drilling resistance</p>
8	<b>Security - Electrical Function</b>	<p>0 – No requirements  1 – Status indicator according to 5.9 EN 14846:2008</p>
9	<b>Security - Electrical Manipulation</b>	<p>0 – No requirements  1 – See EN 14846:2008 – Table 7  2 – See EN 14846:2008 – Table 7  3 – See EN 14846:2008 – Table 7</p>

\*The products meet the requirements of class 3 for position 9 "Security – Electrical Manipulation" when set to "Fail Secure" mode, and only meet the requirements for class 1 when set to "Fail Safe" mode.

## 10. Declaration

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

Signed for and on behalf of the manufacturer by:



**Matthew Nye-Hingston**

Head of BQT Technology & Director of BQT Operations

BQT Solutions

Auckland, 16<sup>th</sup> August 2019