

## HARDWARE PERFORMANCE SHEET No. 16273

Identification and summary of test evidence to facilitate the inter-changeability of building hardware for application to fire resisting and/or smoke control doorsets and/or openable windows

EN 16035:2012

### A. BUILDING HARDWARE IDENTIFICATION

| Position: | Declaration:                                                           | Required product information:                                                                                                                                                                                                                                                                               |                                                                                                                                                                 |
|-----------|------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1         | Manufacturer:                                                          | Argent ALU nv<br>Bankstraat 2<br>9770 Kruishoutem<br>Belgium                                                                                                                                                                                                                                                |                                                                                                                                                                 |
| 2         | Manufacturer's product reference as shown in fire test evidence:       | argenta® invisible neo L-7                                                                                                                                                                                                                                                                                  |                                                                                                                                                                 |
| 3         | Type of building hardware:                                             | hinge                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                 |
| 4         | Relevant EN standard:                                                  | EN 1935:2002/AC:2003                                                                                                                                                                                                                                                                                        |                                                                                                                                                                 |
| 5         | Classification (in accordance with relevant hardware product standard) | <u>Classification<sup>(1)</sup></u> :<br>4/7/5/1/1/4/1/12a                                                                                                                                                                                                                                                  | <u>Characteristic</u> :<br>Category of use / Durability test / Test door mass / Fire/smoke suitability / Safety / Corrosion resistance / Security / Hinge grade |
| 6         | Main dimensions:                                                       | - Material: zamak;<br>- Outer dimensions (height x width): 170 mm x 32 mm;<br>- Fitted depth: 32 mm (frame) + 35 mm (door);<br>- Intumescent product: fitted parts internally completely covered by Interdens 15 – thickness: 1 mm;<br>- Fixing: with 4 screws per side – diameter: 3,9 mm – length: 30 mm. |                                                                                                                                                                 |
| 7         | Remarks:                                                               | -                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                 |

### B. TEST EVIDENCE USED

|   |                                             |                                                                                        |
|---|---------------------------------------------|----------------------------------------------------------------------------------------|
| 1 | Material of doorset and/or openable window: | <input type="checkbox"/> steel doorset and/or openable window                          |
|   |                                             | <input checked="" type="checkbox"/> timber doorset and/or openable window              |
|   |                                             | <input type="checkbox"/> aluminium doorset and/or openable window                      |
|   |                                             | <input type="checkbox"/> other...                                                      |
| 2 | Mounting of building hardware:              | <input type="checkbox"/> surface mounted, exposed to fire                              |
|   |                                             | <input type="checkbox"/> surface mounted, not exposed to fire                          |
|   |                                             | <input checked="" type="checkbox"/> mortice mounted, fire on one side of the door leaf |

|                              |                                         |                                                                                                                               |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|------------------------------|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>3</b>                     | Type of doorset and/or openable window: | <input checked="" type="checkbox"/> hinged                                                                                    |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> pivoted                                                                                              |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> sliding                                                                                              |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input checked="" type="checkbox"/> single leaf doorset                                                                       |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> double leaf doorset                                                                                  |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> primary (active) leaf                                                                                |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> secondary (passive) leaf                                                                             |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <input type="checkbox"/> other type...                                                                                        |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>C. PERFORMANCE LEVELS</b> |                                         |                                                                                                                               |                                        |                                                                                    |                                                                                                                                                                                                                                          |
|                              | <b>Performance</b>                      | <b>Fire resisting and/or smoke control doorset and/or openable window test evidence</b>                                       | <b>Building hardware test evidence</b> | <b>Smoke control doorset and/or openable window test evidence</b>                  | <b>Durability of self-closing</b>                                                                                                                                                                                                        |
| <b>1</b>                     | Test method:                            | <input checked="" type="checkbox"/> EN 1634-1                                                                                 | <input type="checkbox"/> EN 1634-2     | <input type="checkbox"/> EN 1634-3                                                 | <input type="checkbox"/> EN 1191<br><input type="checkbox"/> EN 12605                                                                                                                                                                    |
| <b>2</b>                     | Test report no.:                        | 15850A                                                                                                                        |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>3</b>                     | Test report issued by:                  | WFRGENT nv                                                                                                                    |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>4</b>                     | Classification <sup>(2)</sup> :         | EN 13501-2                                                                                                                    |                                        | EN 13501-2                                                                         | EN 14600                                                                                                                                                                                                                                 |
|                              |                                         | E: 30 min<br>EW: 30 min<br>EI <sub>1</sub> : 30 min<br>EI <sub>2</sub> : 30 min                                               |                                        | <input type="checkbox"/> S <sub>a</sub><br><input type="checkbox"/> S <sub>m</sub> | <input type="checkbox"/> C0 (nul)<br><input type="checkbox"/> C1 (500)<br><input type="checkbox"/> C2 (10.000)<br><input type="checkbox"/> C3 (50.000)<br><input type="checkbox"/> C4 (100.000)<br><input type="checkbox"/> C5 (200.000) |
| <b>5</b>                     | Door leaf width:                        | 1230 mm                                                                                                                       |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>6</b>                     | Door leaf height:                       | 2115 mm                                                                                                                       |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>7</b>                     | Door thickness:                         | 50 mm                                                                                                                         |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>8</b>                     | Door leaf mass:                         | 69,5 kg                                                                                                                       |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>9</b>                     | Restrictions:                           | Tested with three hinges per door leaf.                                                                                       |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>10</b>                    | Installation instructions:              | The hardware shall be installed as tested and as indicated by the building hardware manufacturer's installation instructions. |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>11</b>                    | Certification body:                     |                                                                                                                               |                                        |                                                                                    |                                                                                                                                                                                                                                          |
| <b>12</b>                    | Prepared by:                            | SIGNED                                                                                                                        | APPROVED                               |                                                                                    |                                                                                                                                                                                                                                          |
|                              |                                         | <div></div>                                                                                                                   | <div></div>                            |                                                                                    |                                                                                                                                                                                                                                          |

<sup>(1)</sup> Information provided and under the responsibility of the manufacturer.

<sup>(2)</sup> Based on the observations of the door in the hinges area.