

DECLARATION OF PERFORMANCE

In accordance with the Regulation [EU] No. 305/2011 [Annex III]

No: TKK – D – 10324-1 / 1

1. Unique identification code of the product-type:

Cementol Expert Hiperplast 409

2. Intended use or uses of the product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

EN 934-2 / T3.1 and T3.2

Chemical admixture for concrete:

High range water reducing / Super plasticizing Admixture

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11 [5]:

TKK Proizvodnja kemičnih izdelkov, d.o.o.
Srpenica 1, SI-5224 Srpenica, Slovenia
Tel: +386 (0)5 3841 300, e-mail: info@tkk-group.com

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

System 2+

5. In case of the declaration of performance concerning a construction covered by a harmonized standard:

EN 934-2: 2009 + A1: 2012

The notified body No. **NB 1404: ZAG – Slovenian National Building and Civil Engineering Institute, Dimičeva 12, SI-1000 Ljubljana, Slovenia**

6. Declared performance:

| Essential characteristics | Performance | Harmonized technical specification |
|---------------------------|--|------------------------------------|
| Water reduction | Test mix \geq 12 % compared to control mix | EN 934-2 [Table 3.1] |

| | | |
|-------------------------------|--|-------------------------------|
| Compressive strength | <u>At 20 °C and 1 day:</u> Test mix \geq 140 % of control mix <u>At 20 °C and 28 days:</u> Test mix \geq 115 % of control mix | EN 934-2 [Table 3.1] |
| Increase in consistence | Increase in slump \geq + 120 mm from initial [30 \pm 10] mm Increase in flow \geq + 160 mm from initial [350 \pm 20] mm | EN 934-2 [Table 3.2] |
| Retention of consistence | At 30 min \geq control mix at initial | EN 934-2 [Table 3.2] |
| Compressive strength | <u>At 20 °C and 28 days:</u> Test mix \geq 90 % of control mix | EN 934-2 [Table 3.2] |
| Air content in fresh concrete | Test mix \leq +2 % by volume above control mix | EN 934-2 [Tables 3.1 and 3.2] |
| Chloride content | \leq 0,10 % by mass | EN 934-1 |
| Alkali content | < 3,0 % by mass | EN 934-1 |
| Corrosion behavior | Contains only substances from lists A.1 and A.2 in Annex A | EN 934-1 |
| Dangerous substances | Meets requirements from Ad. 4.3 | EN 934-2 |

7. The performance of the product identified in point 1 is in conformity with the declared performance in point 6. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Name:

Marko Štrukelj

Position:

Head of Product Management, Marketing and R&D
Departments

Place and date:

Srpenica, 22.07.2024

Signature:



TKK TKK d. o. o.
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