

## DECLARATION OF PERFORMANCE Nr 0221

1. Unique identification code of the product-type: **GEOLITE 40**
2. Intended use/es:
  - a. **Repair products for concrete, used in buildings and civil engineering works according to principles 2 (MC) and 8 (IR).**
  - b. **Repair products for concrete, used in buildings and civil engineering works according to principles 3 (CR), 4 (SS) and 7 (RP).**
  - c. **Repair products for concrete, used in buildings and civil engineering works according to principle 4 (SS).**
  - d. **Repair products for concrete, used in buildings and civil engineering works according to principle 11 (CA).**
3. Manufacturer: **Kerakoll Polska sp. z o.o., ul. Katowicka 128, 95-030 Rzgów**
4. System/s of AVCP:  
**System 2+**  
**System 4 for reaction to fire**
5. Harmonised standard:
  - a. **EN 1504-2:2004**
  - b. **EN 1504-3:2005**
  - c. **EN 1504-6:2006**
  - d. **EN 1504-7:2006**

Notified body/ies: **Sieć Badawcza Łukasiewicz - Instytut Ceramiki i Materiałów Budowlanych Nr 1487**

6. Declared performance/s:

a.

Essential characteristics	Performance
Reaction to fire	Class A1
Linear shrinkage	≤ 0,3%
Coefficient of thermal expansion	$\alpha t \leq 30 \cdot 10^{-6} \text{ } ^\circ\text{K}^{-1}$
Adhesion by cross-cut test	NPD
Water vapour permeability	Class I, $S_D < 5 \text{ m}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg} \cdot \text{m}^{-2} \cdot \text{h}^{-0,5}$
Thermal compatibility	NPD
Crack bridging ability	NPD
Adhesion strength by pull-off test	≥ 2,0 N/mm <sup>2</sup>
Skid resistance	NPD
Artificial weathering	NPD
Antistatic properties	NPD
Adhesion to wet concrete	NPD
Release of dangerous substances	NPD

**b.**

Essential characteristics	Performance
Reaction to fire	Class A1
Compressive strength	Class R4 ( $\geq 45$ MPa)
Chloride ion content	$\leq 0,05$ %
Adhesive bond	$\geq 2,0$ MPa
Restrained shrinkage/expansion	NPD
Carbonation resistance	Pass
Modulus of elasticity	$\geq 20$ GPa
Thermal compatibility - Part 1: Freeze-thaw cycling with de-icing salt immersion	$\geq 2,0$ MPa
Skid resistance	NPD
Coefficient of thermal expansion	NPD
Capillary absorption	$\leq 0,5$ kg $\cdot$ m <sup>-2</sup> $\cdot$ h <sup>-0,5</sup>
Release of dangerous substances	NPD

**c.**

Essential characteristics	Performance
Reaction to fire	Class A1
Pull-out strength displacement	$\leq 0,6$ mm at load of 75 KN
Chloride ion content	$\leq 0,05$ %
Glass transition temperature	NPD
Durability / Creep under tensile load	NPD
Release of dangerous substances	NPD

**d.**

Essential characteristics	Performance
Shear adhesion - coated steel to concrete	Pass
Corrosion protection - resistance to diffusion	Pass
Corrosion protection - corrosion protection and workability	Pass
Corrosion protection – durability	Pass
Glass transition temperature	NPD
Release of dangerous substances	NPD

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by: **Fabio Sghedoni (legal representative)**

At Rzgów, on 22/05/2026