

A thick dark grey vertical bar runs down the left side of the page. To its right, several thin, dark grey curved lines sweep upwards and to the right, creating an abstract, organic shape.

GLAZE PLUS

# TECHNICAL DATA SHEET

CAMEL-5555

## CAMEL-5555



### DESCRIPTION

#### **POLYMER BASED | FIBRE BASED | GEL BASED | EPOXY BASED | LARGE COVERAGE (NEW TECHNOLOGY)**

CAMEL-5555 is a high-performance, flexible, polymer-modified resinous tile adhesive formulated for superior bonding strength and long-lasting durability. It is produced under strict industrial conditions using premium-grade aggregates and advanced polymer additives. This adhesive provides excellent initial and final adhesion, maximum grip, and superior flexibility for demanding tile and stone applications. Engineered to perform under extreme temperature variations and mechanical stress, it offers outstanding deformation resistance, water resistance, and non-shrinkage properties—making it ideal for both interior and exterior surfaces.

CAMEL-5555 meets international quality standards and is classified as a C2TES2 tile adhesive according to EN 12004, conforming to IS 15477:2019 (Type 5) and EN 12004-1:2019 norms

- **High Bonding Strength:** Superior adhesion for long-lasting results.
- **Zero Slip (T):** Ensures tiles remain in place without movement.
- **Extended Open Time (E):** Allows for more flexible application.
- **High Flexibility (S2):** Resists deformations and vibrations.
- **Temperature & Moisture Resistant:** Suitable for extreme environmental conditions.

### Fields of Application:

#### **Camel-5555 is ideal for bonding a variety of materials, including:**

- **Tile types:** Ceramic, porcelain, vitrified tiles, natural granite, marble, and decorative stones.
- **Surfaces:** Absorbent & non-absorbent tiles, floors, and walls (indoor & outdoor applications).
- **Specialized Applications:** Extra-large format tiles, vibrating floors, underfloor heating, swimming pools, terraces, industrial spaces, parking areas, glass, metal, and wooden surfaces.

## Instructions for Use

**1. Surface Preparation:** Ensure the substrate is clean, dry, and free from dust, paint, oils, and loose materials.

- For highly absorbent surfaces (e.g., plasterboard, aerated concrete), apply a suitable primer and wait 1-2 hours before adhesive application.
- For smooth non-absorbent surfaces, use a quartz-based primer before application.
- For best results, lightly dampen the surface before applying the adhesive.

## 2. Mixing Instructions:

- Mix 25kg of Camel-5555 with 7.75L ( $\pm 0.25$ L) of clean water until a homogeneous mixture is formed.
- Allow the mixture to settle for 5-7 minutes, then remix with a low-speed mixer.
- The mixture is now ready for use with a pot life of 3-4 hours (depending on temperature).
- Mix periodically during use without adding extra water.

## 3. Application:

- Apply the adhesive uniformly using a notched trowel.
- Place tiles within 30 minutes after applying the adhesive.
- For extra-large, non-absorbent tiles (60x60cm or larger):
  - Apply a 1mm layer of adhesive on the back of the tile in addition to the substrate.
  - Use special tile levellers for a secure, permanent bond.
- Application temperature:  $+5^{\circ}\text{C}$  to  $+35^{\circ}\text{C}$ .

## TECHNICAL DATA

	Property	Value
1.	Form	Dry Powder
2.	Color	Grey & White
3.	Mixture Consistency	Thick Paste
4.	Water Requirement	7.75L per 25kg bag ( $\pm 0.25$ L)
5.	Maturing Time	5-7 min
6.	Specific Weight	1.32 g/cm <sup>3</sup>
7.	Mixture Density	1.51 g/cm <sup>3</sup>
8.	Application Temperature	$+5^{\circ}\text{C}$ to $+35^{\circ}\text{C}$
9.	Application Thickness	Up to 15mm
10.	Pot Life	3-4 hours
11.	Open Application Time	Approx. 2 hours
12.	Minor Adjustment Time	Approx. 2 hours
13.	Slip	$\leq 0.5$ mm
14.	Temperature Resistance	$-30^{\circ}\text{C}$ to $+95^{\circ}\text{C}$
15.	Grouting (Walls)	After 8 hours
16.	Grouting (Floors)	After 24 hours
17.	Deformability	$>5.0$ mm
18.	Tensile Adhesion Strength (28 days, EN 12004)	2.03 N/mm <sup>2</sup>
19.	Tensile Adhesion Strength (Heat Aging, 70°C, EN 12004)	2.00 N/mm <sup>2</sup>
20.	Tensile Adhesion Strength (Water Immersion, 14 days, EN 12004)	1.60 N/mm <sup>2</sup>
21.	Tensile Adhesion Strength (Freeze-Thaw, 25 cycles, EN 12004)	1.58 N/mm <sup>2</sup>

**Coverage:**

2.5 – 4.5 kg/m<sup>2</sup>, depending on trowel notch size, tile size, and substrate condition.

**Storage & Shelf Life:**

Shelf life: 1.5 years from production date.

Store in a dry, low-humidity environment, on pallets, in sealed packaging.

**Packaging:**

20kg & 40kg bags

Color: Grey & White

**Safety Instructions:**

Contains cement and is classified as an irritant.

Always consult the safety instructions on the packaging before use.

**Compliance & Standards**

EN 12004-1:2019 (C2 TE S2 Classification)

IS 15477:2019 (Type 5)

**TECHNICAL SUPPORT**

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