



## Technical Data Sheet

### Bc Terrazzo Aggregates

#### Aggregate Mix for Decorative and Non-Slip Flooring

#### 1). Product Description

BC Terrazzo Aggregates are crushed and graded igneous aggregates designed for use in decorative, hard-wearing, and heavy-duty flooring systems. The product offers exceptional wear resistance, acid resistance, and non-slip characteristics.

BC Terrazzo Aggregates exceed the durability of conventional stone and gravel materials commonly used for industrial and decorative floors.

Available in #8–#30 standard grades and other custom gradations as per project requirements.

#### 2). Features & Benefits

- Provides permanent slip resistance for pedestrian areas and ramps
- Non-rusting, durable mineral composition
- Excellent abrasion and impact resistance
- High resistance to chemicals and weathering
- Economical and long-lasting flooring solution
- Suitable for both interior and exterior use
- Easy to apply and compatible with standard concrete finishing methods

#### 3). Recommended Uses

BC Terrazzo Aggregates are suitable for a wide range of commercial, industrial, and public flooring applications, including:

- Food processing plants and dairies
- Stairways, ramps, and loading platforms
- Parking garages and vehicle ramps
- Public walkways and pedestrian areas
- Industrial floors exposed to water and abrasion
- Decorative terrazzo flooring systems



#### 4). Technical Data

Property	Test Method / Standard	Typical Value
Specific Gravity	ASTM C128	2.87
Mohs Hardness	ASTM C241	7
Water Absorption	ASTM C642	0.19%
Aluminum Oxide (Al <sub>2</sub> O <sub>3</sub> )	—	25.40%
Silica (SiO <sub>2</sub> )	—	56.10%
Gradation (#8–#30)	ASTM C136	#8: 7% retained
		#12: 45% retained
		#16: 28% retained
		#30: 20% retained
Color	Visual	Natural stone grey or as specified
Appearance	—	Crushed, graded, angular particles
Chemical Resistance	—	Excellent against acids, alkalis, and salts

#### 5). Application Instructions

##### Surface Preparation

- Place concrete to the desired level between screed points.
- When concrete stiffens slightly, open the surface using hand or power float to ensure proper bonding.

##### Application Procedure

- Apply BCI Terrazzo Aggregates in two stages for best results:
  1. Spread approximately two-thirds of the total material for the first layer. Allow it to absorb surface moisture before floating.
  2. Apply the remaining one-third as the second layer and float uniformly.



## Curing & Sealing

After finishing, cure and seal the surface using suitable BCI curing and sealing compounds as per project requirements.

## 6). Coverage

Typical application rate: 4.9 kg/m<sup>2</sup> depending on the required texture and slip resistance.

## 7). Packaging

25 kg moisture-proof bag with polyethylene liner

## 8). Shelf Life

- 12 months from the date of manufacture when stored in a cool, dry place in original unopened packaging.
- Protect from moisture and direct sunlight.

## 9). Appearance

Crushed and graded igneous aggregate available in natural grey or custom colors upon request. The final surface finish depends on the concrete matrix and troweling method used.

## 10). Health & Safety

- Avoid breathing dust during mixing or spreading.
- Use protective gloves, goggles, and a dust mask.
- Wash exposed skin with clean water after handling.
- Refer to the Material Safety Data Sheet (MSDS) for additional safety and handling information.

### DISCLAIMER

The data presented in this sheet are based on laboratory testing and practical experience. Variations in substrate, application method, and environmental conditions may impact performance. Users are advised to carry out tests under their own conditions. Building Chemistry Industry's responsibility is limited to the product replacement in cases of proven manufacturing defect.

