

# TILE ADHESIVES



## S-FLEX C2TES1

Colour	Packaging	Consumption
White, Grey	25 KG	3-5 KG

### DESCRIPTION

Cement-based tile adhesive (C), with improved adhesive strength (2), vertical slip resistance (T), extended open time (E), and high flexibility (S1). Classified as a C2TES1 adhesive according to **EN 12004** standard.

### FIELD OF APPLICATION

S-Flex is suitable for bonding ceramic tiles, gres, porcelain, marble, stone tiles, mosaics, and glass bricks. It is recommended for use on façades, terraces, underfloor heating systems, difficult surfaces, swimming pools, and more. Suitable for application on cement-based substrates such as concrete, cement screeds, plaster, waterproof coatings, etc. It is ideal for installing tiles ranging from 5 to 150 cm in size. This adhesive provides a strong and flexible bond, making it suitable for a wide range of applications and resistant to various environmental conditions.

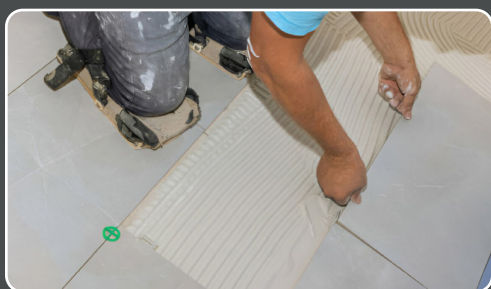
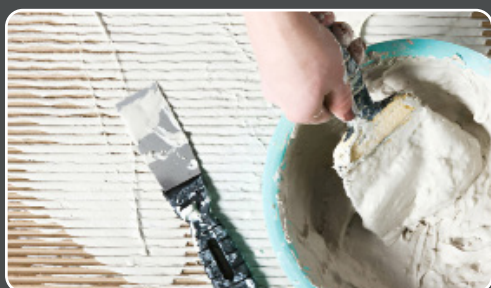
### SPECIFICATIONS

Key Characteristics:

- Very good workability
- Distinct bright white color
- Suitable for both interior and exterior applications
- Ideal for tiles with dimensions up to 150 cm
- Suitable for all types of tiles and challenging surfaces such as: areas with moisture, vibrations, façades, etc.

### SUBSTRATE PREPARATION

Cement-based substrates must be stable, resistant, and even, free from oil, dirt, and paint residues, and must have reached their proper curing time. Traditional cement screeds with normal setting time should be cured for at least 28 days. Traditional plaster substrates must dry for a minimum of 14 days. Major surface irregularities or large cracks should be repaired beforehand. All types of substrates must be mechanically cleaned prior to product application. Before applying the adhesive, the surface should be lightly moistened with water to ensure optimal adhesion and extended working time.

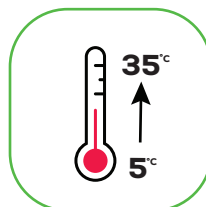
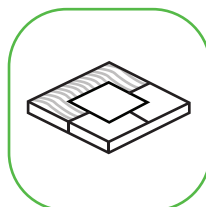


## APPLICATION

First, the product is recommended to be spread using the flat side of the trowel to ensure an even distribution, followed by the notched side. The application should be carried out with a trowel suitable for the type and size of the tile being laid. Tile placement is done by applying light pressure to ensure full coverage of the tile's underside with adhesive. Under normal weather conditions (at 23°C), the product has an open time of approximately 35 minutes. Atmospheric conditions may affect the drying time of the adhesive. Care must be taken to ensure that the adhesive does not form a surface film. If it does, the adhesive layer must be reworked with the trowel before placing the tiles. It is not recommended to install tiles with tight joints (butt joints). Joints should be appropriate to the tile dimensions to allow for proper grouting and flexibility.

## TECHNICAL DATA

<b>Appearance:</b> Powder	<b>Adjustment time:</b> 35 min
<b>Packaging:</b> 25 kg paper bag on pallets 1350 kg	<b>Filling of Wall Joints:</b> After 8 to 12 hours
<b>Colour:</b> White, Grey	<b>Filling of Floor Joints:</b> After 24 hours
<b>Consumption for small formats:</b> 2-3 kg/m <sup>2</sup>	<b>Walkable:</b> After 24 hours
<b>Consumption for big formats:</b> 4-5 kg/m <sup>2</sup>	<b>Adhesive Strength after 28 days:</b> ≥1 N/mm <sup>2</sup>
<b>Storage:</b> Store in dry places on wooden pallets	<b>AS After Water Immersion:</b> ≥1 N/mm <sup>2</sup>
<b>Storage time:</b> 12 months from the date of manufacture	<b>AS After Heat Aging:</b> ≥1 N/mm <sup>2</sup>
<b>Bulk Density:</b> 1.6-1.7gr/cm <sup>3</sup>	<b>AS After Freeze-Thaw Cycles:</b> ≥1 N/mm <sup>2</sup>
<b>Reaction to fire:</b> Class A1	<b>AS After 30 min:</b> ≥0,5 N/mm <sup>2</sup>
<b>Water for mixture:</b> 6 liters of water for 25 kg	<b>Slip Resistance:</b> ≤0,5 mm
<b>pH of mixture:</b> 13	<b>Deformability:</b> ≥S1
<b>Application Temperature:</b> +5°C to +35°C	



**WARNING!** Both low and high temperatures can change the working characteristics of the product (slowing down or speeding up the drying process). For very large tile formats, apply a double layer of adhesive on the tile and the substrate. Protect the substrate for at least 24 hours after applying the adhesive from heavy rain, frost, and strong sunlight. For large tile formats, grout installation should be done 3-5 days after bonding only if waterproofing has