



SmartCote 50 External

Finish Skim Coat (Grey)

SmartCote 50 External is a polymer-modified Grey cement-based skim coat specially design to be use on exterior surfaces. The polymer additives in **SmartCote 50 External** provides excellent workability and improves bonding strength. **SmartCote 50 External** is suitable for all types of concrete substrates including lightweight concrete panels, autoclaved aerated blocks, blockwalls and plastered surfaces but not to be applied on painted surfaces.

FIELDS OF APPLICATION

- Ideal for skimming onto substrates like lightweight panel or block
- Provides good workability for both vertical and overhead surface

BENEFITS

- High bonding strength
- Consistent quality
- Excellent durability
- Excellent workability
- Cost and time effective
- Reduce painting cost
- Water resistance

TECHNICAL DATA

PROPERTY	TYPICAL RESULTS	
Binder	Portland Cement	
Filler	Calcium Carbonate Powder	
Additives	Water Soluble Polymers	
Density	Dry	1480 kg/m ³
	Wet	1600 kg/m ³
Pot Life	60 minutes	
Recommended Thickness	1 - 2 mm/coat/application	
Tensile Adhesion Strength (BS EN 1015-12: 2016)	Individual	≥ 0.60 N/mm ²
	Average	≥ 0.80 N/mm ²
Tensile Adhesion Strength (BS EN 1015-12: 2016) After Weathering Test	Loss of strength ≤ 15%	
	No cracks or debonding	
Compressive Strength @ 28 days (BS EN 1015-11: 1999)	7 - 12 N/mm ²	
Water Retentivity (BS 4551: 2005 + A2: 2013)	≥ 95%	
Setting Time (BS EN 196-3: 2016)	Initial Set	≥ 240 minutes ; ≤ 360 minutes
	Final Set	≤ 500 minutes
Linear Shrinkage (ASTM C531: 2000 (2012))	≤ 0.10%	
Mix Water by weight per bag	15 - 17 litres	
Coverage per bag	~ 0.83 m ² /kg/mm thickness	

- All the data shown are based on controlled laboratory test (T=27±2°C and RH=60%)

SURFACE PREPARATION

- Surfaces to receive **SmartCote 50 External** must be free of oil, grease, scale, dust, etc. Clean and remove contaminants prior to application of **SmartCote 50 External**.
- For high absorbing substrates or extremely dry surfaces, it is recommended to moisten the surfaces before application of **SmartCote 50 External**.
- For uneven surfaces with depth difference of more than 5 mm, it is recommended to patch and level the surface prior to application of **SmartCote 50 External**.

MIXING

- Add a 40 kg bag of **SmartCote 50 External** to about 15 - 17 litres of clean water.
- Use an electrical mixer to mix for approximately 5 minutes to obtain a homogeneous paste with suitable consistency.
- Remix the paste again to achieve a suitable consistency if left unused for more than 30 minutes.

PLACING

- Apply **SmartCote 50 External** with a steel trowel.
- It is recommended to apply **SmartCote 50 External** in a single layer up to a maximum of 3 mm thick. However, if the surfaces require more than 1 layer of application, a second coat could be applied after 4 hours and the total build up thickness shall not exceed 6 mm.

PRECAUTIONS

- Avoid eye and skin contact as the product is alkaline.
- Gloves, goggles and dust mask should be worn.
- Avoid inhalation of dust during mixing.
- Wash thoroughly after handling.
- In case of eye contact, flush with plenty of clean water. Seek medical help immediately.

PACKAGING & STORAGE

SmartCote 50 External is supplied in 40 kg bags and has a shelf life of 12 months if stored in a cool and dry place in sealed packaging with sheltered protection from rain and sunlight.

DISCLAIMER

All information was prepared carefully, using current references available to us. Information provided is to the best of our knowledge and belief, accurate and reliable as of the date indicated. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself/herself as to the suitability and completeness of information provided here for their intended use. We do not accept liability for any loss or damage that may occur from the use of this information.