



## SmartCote 50 Internal

Finish Skim Coat (Grey)

**SmartCote 50 Internal** is a polymer-modified Grey cement-based skim coat specially designed to be used on interior surfaces. The polymer additives in **SmartCote 50 Internal** provide excellent workability and improve bonding strength. **SmartCote 50 Internal** is suitable for all types of concrete substrates including lightweight concrete panel, autoclaved aerated blocks, blockwall and plastered surfaces but is 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 and durability
- Consistent quality
- Excellent workability
- Cost and time effective
- Reduce painting cost

### TECHNICAL DATA

PROPERTY	TYPICAL RESULTS	
Binder	Portland Cement	
Filler	Calcium Carbonate Powder	
Additives	Water Soluble Polymers	
Density	Dry	1480 kg/m <sup>3</sup>
	Wet	1600 kg/m <sup>3</sup>
Pot Life	60 minutes	
Recommended Thickness	1 - 2 mm/coat/application	
Tensile Adhesion Strength (BS EN 1015-12: 2016)	Individual	≥ 0.60 N/mm <sup>2</sup>
	Average	≥ 0.80 N/mm <sup>2</sup>
Compressive Strength @ 28 days (BS EN 1015-11: 1999)	7 - 12 N/mm <sup>2</sup>	
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	11 - 13 litres	
Coverage per bag	~ 0.83 m <sup>2</sup> /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 Internal** must be free of oil, grease, scale, dust, etc. Clean and remove contaminants prior to application of **SmartCote 50 Internal**.
- For high absorbing substrates or extremely dry surfaces, it is recommended to moisten the surfaces before the application of **SmartCote 50 Internal**.
- 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 Internal**.

## **MIXING**

- Add a 40 kg bag of **SmartCote 50 Internal** to about 11 - 13 litres of clean water.
- Use an electrical mixer to mix for approximately 5 minutes to obtain homogeneous paste and right consistency.
- Remix the paste again to achieve the right consistency if left unused for more than 30 minutes.

## **PLACING**

- Apply **SmartCote 50 Internal** with a steel trowel.
- It is recommended to apply **SmartCote 50 Internal** 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 Internal** 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.