



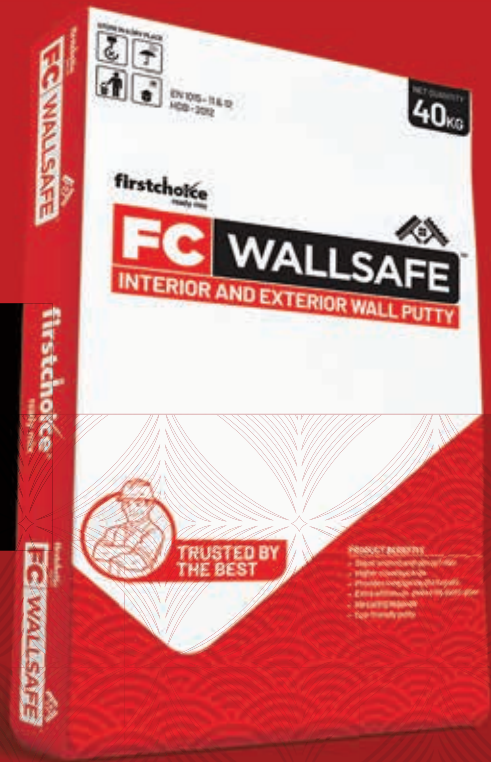
GIVES GOOD LIFE  
TO PAINTS



HIGHER COVERAGE

# FC WALLSAFE TECHNICAL DATA SHEET

DEC 2022



ECO FRIENDLY PUTTY



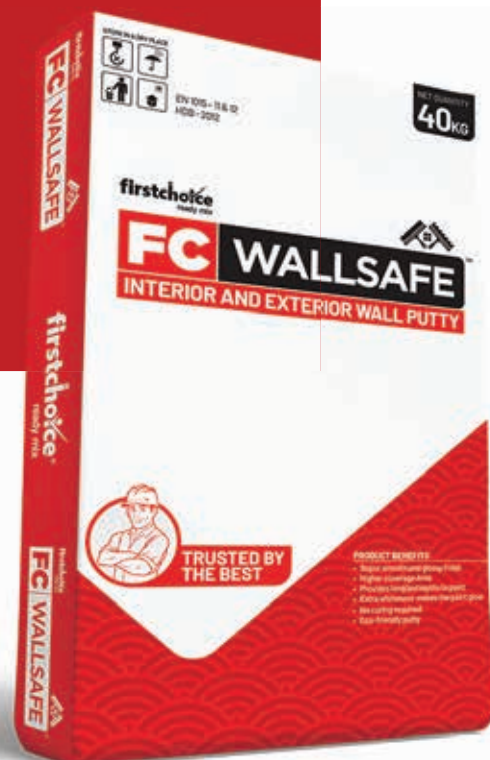
SUPER SMOOTH AND  
GLOSSY FINISH



**TRUSTED BY  
THE BEST**



FC WALLSAFE IS A POLYMER MODIFIED WHITE CEMENT BASED PREMIUM WALL PUTTY WITH SELF-CURING, HIGH STRENGTH, WATER RESISTANCE PROPERTIES TO CREATE SMOOTH, GLOSSY AND EXTREME WHITE SURFACES BEFORE ANY PAINT APPLICATION ON WALL AND CEILING. IT CAN ALSO BE TREATED AS A BASE COAT FOR PAINTING.





## FEATURES AND BENEFITS

1. Best for internal & external areas before paint application.
2. Imported German polymer for extra strength and long life.
3. High Tensile adhesion & compressive strength; abrasion & water resistance
4. Self curing with water retentive polymers
5. High coverages and maximum spread.
6. Very low VOC and suitable for green building
7. Super smooth and glossy finish
8. Provides long lasting life to paint
9. Excellent whiteness – provides better glow to the paint
10. Eco-friendly putty



## INSTALLATION TYPES

Concrete & Concrete Masonry  
Cement Plaster  
AAC Block work

Cement Backer Board\*  
Calcium Silicate Board\*  
Gypsum Wallboard\*

\*Note: Use Primer to seal the pores of the drywall boards. Application of FC WALLSAFE can be done when the primed surface is completely dry



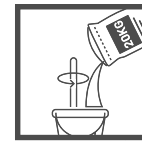
## CERTIFICATION

1. EN 1015 – 11 & 12
2. HDB – 2012



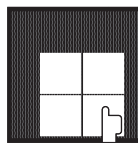
## APPLICATION PROCEDURE

**Surface Preparation:** All the surfaces should be clean, dry, free from dust, oil, grease, loose bonded particles, peeling paints, concrete sealers and structurally sound. The surface should be true to the plumb. Uneven or rough surfaces should be made even and smooth with **FC PLASTWELL** to provide a better flat finish. Dampen the dry, dusty concrete/masonry and surfaces heated from exposure to sunlight with water, sweep off the excess water if any. Allow 28 days for wall surfaces to cure prior to putty application.



## MIXING PROCEDURE

**Mixing:** Take 18-20 L of clean, potable water per 40kg **FC WALLSAFE** into a clean mixing bowl. Add putty powder into the mixing bowl and mix the material by hand or with a slow speed mixer until a smooth, lump-free paste is obtained. Allow the material to slake for 5 minutes. Adjust the consistency of the material accordingly, if necessary. Remix the putty prior to the application. The paste should be kept away from direct sunlight and heat.

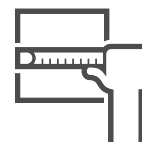


## INSTALLATION PROCEDURE

Apply the first coat of FC WALLSAFE starting from bottom to upward direction with the putty blade. Always prepare a required quantity of putty paste and use it within 2-3 hrs. Allow the first coat to dry for minimum of 3 hours or until its totally dried. Clean the surface of the first coat free from loose particles.

Apply the second coat with a blade movement from top to downward direction. Make sure that two coats of FC WALLSAFE on the substrate with maximum total thickness of 1.5mm with the putty blades. Wait for 12 hours or until the second coat is completely dries. Clean the surface with a fine emery paper (> 500 number) and dust it cleanly.

Apply the paint once the surface is touch dry



## COVERAGE

Approximately 16 to 20 sft per kg for 2 coats with maximum thickness of 1.5 mm.

\*Coverage will vary depending on absorption, flatness and evenness of substrate



## TECHNICAL DATA

Name	:	<b>FC WALLSAFE</b>
Physical appearance	:	Very fine white colour powder
Pack Size	:	40 kg

### Application Data at 23±2°C & 60±5% RH

Product appearance	:	Very fine white colour powder
Packing	:	40 Kg moisture proof bag.
Water ratio	:	Approx. 18 to 20 litres for 40 kg Bag.
Full strength of putty	:	At 14 days
Dry Mortar Density	:	940 – 1040 kg/m <sup>3</sup>
Wet Mortar Density	:	1650 – 1750 kg/m <sup>3</sup>
Pot Life	:	3-4 Hrs
Thickness Per coat	:	0.5 – 1.0 mm
Max Thickness of application	:	1.5 mm (Two Coats)
Surface preparation for paint	:	After 24 hours
Paint application	:	After 72 hours

\*Note: Actual field performance will depend on installation methods and site conditions.

### HDB Standards

Test parameter	Standard Requirement	Product performance
Initial Setting Time - (BS 4551 Part 1)	240 – 360 minutes	290 Minutes
Final Setting Time - (BS 4551 Part 1)	≤ 500 minutes	410 Minutes
Tensile Adhesion Strength @ 14 days - (EN 1015-12)	≥ 0.80 N/mm <sup>2</sup>	1.60 N/mm <sup>2</sup>
Compressive strength @ 28 Days - (EN 1015-11)	7 – 12 N/mm <sup>2</sup>	10 N/mm <sup>2</sup>
Water retentivity % - (BS 4551-1)	≥ 95%	99.8
Water Absorption Index (Carsten Tube) Kg/m <sup>2</sup> /√h - DIN 52617	NA	1.00
Water absorption - (EN 1015-18)	NA	0.03 kg/m <sup>2</sup>

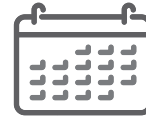


## PRECAUTIONS

---

Although FC WALLSAFE is non-hazardous material, the precautions should be taken:

- It is recommended to use the N95 nose mask, gloves and goggles while handling the material
- Keep out of reach of the children
- In case of contact with eyes, rinse eyes with plenty of water and consult a doctor immediately



## SHELF LIFE

---

12 months from the date of manufacturing in the original unopened manufacturer's packaging.



## STORAGE

---

Store in dry place away from the moisture



## LIMITATIONS

---

- Always add powder to water & never add water to powder
- Do not add excess water than recommended
- Never contaminate the mix at site
- Do not directly apply on the fungus and moss affected areas
- Do not apply directly on the dust, loosely bonded particles, oil, Grease etc affected surfaces



## CUSTOMER CARE

---

For any suggestion or concerns, please mail to [reachus@firstchoicereadymix.in](mailto:reachus@firstchoicereadymix.in).

For any other product related queries please contact **1800 202 5567**



## CLEANING

---

Tools and containers should be cleaned with plenty of water while the putty is still fresh. Surfaces should be cleaned with a damp cloth, before the material dries.



firstchoice  
ready mix

Scan the QR code to know more  
about our other products



Manufacturer Details: A product of

**firstchoice**<sup>®</sup>  
ready mix

**MANUFACTURED AND PACKED AT:**

- **BIHAR** - PATNA • **JHARKHAND** - JAMSHEDPUR • **ODISHA** - BHUBANESWAR
- **TELANGANA** - HYDERABAD • **WEST BENGAL** - KOLKATA, BARDHAMAN, JALPAIGURI

**Disclaimer**

Information given in the data sheet is only a guideline for usage. Users are advised to undertake trial for product suitability prior to its full scale usage. There is no implied guaranty/warranty for the results and the company is not liable for any consequential damages.