

SUNKOLL WALL PUTTY (SF)

Technical Data Sheet

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ABILITY ♦ STABILITY ♦ DURABILITY

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SUNKOLL WALL PUTTY (SF) is a white cement based fine powder which provides an ideal finishing for concrete / cement plastered walls and ceiling. It provides an ideal base for painting. It provides damp resistant smooth finish for further application of all kinds of paints.

How To Use



PREPARATION OF SUNKOLL WALL PUTTY (SF) PASTE

- Take required quantity of SUNKOLL WALL PUTTY (SF) in a pan.
- Mix half of required water quantity into it.
- Knead/Mix the Putty & wait for few minutes.
- Mix remaining quantity of water to get desired consistency.
- @ 35-40% water by volume is required to prepare paste of good consistency.
- Mix vigorously for 5-10 minutes for making lump free and uniform paste, as shown.
- Product should be mixed in such quantities that it could be used within 2 hrs of its preparation.
- Mixing could be done manually or by suitable electric mixer.

APPLICATION

- Ensure that surface is plastered OR made with cementitious material.
- Ensure that surface is totally clean.
- Ensure that surface is moderately rough (neither too-rough not too-smooth).
- Ensure that surface is just-wet. Over-wetting resulting in accumulation of water on surface should be avoided.
- Apply first coat. Use spatula/blade/trowel on the wall with “bottom to top” Configuration.
- Apply second coat preferably after @ 4 hrs in hot season & after @ 12 hrs in cold season. Second coat shall be applied “horizontally” to even out application marks of 1st coat, if any.
- Re-mix putty paste again for @ 1 minute, if it is left un-disturbed for @ 30 minutes.
- Allow complete drying for @ 3 days and then use fine emery paper to remove application mark, if any
- Half an hour after application of 2nd coat smoothening could be done with trowel. Paint could be done after 3 or more days of putty work but it shall be ensured that putty is completely dry before applying paint. Clean application tools with clean water.

PRECAUTION

- Although SUNKOLL WALL PUTTY (SF) do not contain any toxic material, use rubber gloves while mixing.
- Precaution should be taken to avoid dust inhalation while handling putty powder or during removal of application marks with fine emery paper-say wearing nose mask.
- Keep the product out of reach of children.
- Once putty paste has hardened, it shall not be used by adding water.

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Product & Working Data

Adhesive Tensile Shear	2,026 psi (14.0 MPa)
Coefficient of Thermal Expansion (x10-6)	34 in/in.°F (61.2 cm/cm.°C)
Compression Strength	10,400 psi (71.7 MPa)
Cured Shrinkage	0.0006 in/in (cm/cm)
Dielectric Constant	35
Dielectric Strength	30 volts/mil (1.2 kV/mm)
Flexural Strength	7,680 psi (52.9 MPa)
Hardness	85 Shore D
Modulus of Elasticity	7.5 psi x10 ⁵ (5.2 GPa)
Solids by Volume	100%
Temperature Resistance	Dry: 200°F (93°C)
Thermal Conductivity (x10-3)	2.65 cal/s.cm.°C

Technical Performances

Color	White
Coverage (1/4" / 6.35mm)	49 in ² /lb (697 cm ² /Kg)
Functional Cure	1 hr
Mix Ratio by Volume	1:01
Mix Ratio by Weight	1.7:1
Mixed Viscosity	Putty
Pot Life @ 75F	5 min.
Recoat Time	15-30 min.
Specific Gravity	2.2
Specific Volume	12.2 in ³ /lb (0.44 cm ³ /g)

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Important Instructions :

- Follow the recommended mixing ratio (usually about 1 part water to 3 parts putty).
- Mix thoroughly until you achieve a smooth, lump-free consistency.
- Apply the putty using a clean trowel or putty knife.
- Work in small sections to maintain an even application.
- For best results, apply in thin layers.
- Allow adequate drying time between layers (typically 4-6 hours).
- Avoid applying additional layers if the previous layer is still wet.
- Once dry, lightly sand the surface with fine-grit sandpaper for a smooth finish.

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SUNKOLL Green Building Index :

SUNKOLL Range of Products are most eco-friendly and suitable to use in all kind of buildings including certified green. Apart from using best of international raw material for best performance, SUNKOLL procure the major raw material locally to safeguard environment.

SUNKOLL Quality & Safety Assurance

Products supplied are safe to use by any worker at site. However proper tools and safety measures must be in place for prolong working. The gloves, safety glasses and other protection measure must be followed as per local regulation.

Declaration :

Check before using the product about performance and final expected results. **SUNKOLL** cannot be held All the above information and results are provided based on **SUNKOLL** internal quality test. Customer must responsible for any damage of whatsoever nature at site.

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