

**TUFFCOAT™ by the Lime Professionals**

Tuffcoat™ is a polymer reinforced gauging lime for use in the preparation of internal white set plaster. Tuffcoat™ has been specifically developed for hardfinish solid plaster and superior paint adhesion.

**GENERAL APPLICATION DETAILS & RECOMMENDATIONS**

<b>Bag Weight</b>	25kg
<b>Tuffcoat™ plaster gauge ratio</b>	2 x 25kg Tuffcoat™ with 1 x 20kg minimum plaster <b>(2:1 bag ratio)</b>
<b>Additional Water</b>	Minimal. 1-2L per gauge suits most plasterers
<b>Coverage per gauge (2:1 ratio)</b>	30-36 sqm
<b>Safety Data Sheet</b>	Available at <a href="http://www.limeindustries.com.au">www.limeindustries.com.au</a>
<b>Special Precautions</b>	Tuffcoat™ dust may contain crystalline silica
<b>Special Storage Conditions</b>	Bags must be stored cool & out of direct sunlight
<b>Manufacturer's Recommendations</b>	
<b>Surface preparation (float)</b>	All walls must be sufficiently damp prior to setting
<b>Painting Tuffcoat™ Set Plaster</b>	
<b>pH* of Tuffcoat™ Set Plaster (7 days)</b>	10
<b>Ready to paint – oil based sealer</b>	Tuffcoat™ set plaster has 12% or less of water content
<b>Ready to paint – water based sealer</b>	7 days after setting

\*Direct to plaster measurement with a Hydrion pH pencil (no water)

**TUFFCOAT™ TECHNICAL PROPERTIES**

<b>TUFFCOAT™ (WET AS DELIVERED BASIS)</b>	
<b>pH</b>	12
<b>Solids Insoluble</b>	38-40% wt
<b>Acid Insoluble</b>	Max 3.7% wt
<b>Available CaO Content</b>	22% (±3%)
<b>Available Ca(OH)<sub>2</sub></b>	26-34%
<b>Bulk Density</b>	1.27 t/m <sup>3</sup>
<b>Viscosity</b>	3000cP @ 3rpm
<b>COMPOSITION (DRY WEIGHT BASIS)</b>	
<b>Lime Content Ca(OH)<sub>2</sub></b>	90%
<b>Mg (OH)<sub>2</sub></b>	4%
<b>SiO<sub>2</sub></b>	1.5%
<b>PARTICLE SIZE DISTRIBUTION</b>	
<b>d(0.1)</b>	2.17 μm (10% is equal to or less than this size)
<b>d(0.5)</b>	7.21 μm (50% is equal to or less than this size)
<b>D(0.9)</b>	129.0 μm (90% is equal to or less than this size)

**TUFFCOAT™ PDS prepared by Lime Industries November 2020**