

## A Comparison of Properties between Premium Brand Wall Putty and Dalmia Magic Premium Skim Coat

*Data Source: Project Report- A comparative study between the properties of Wall Putty and Dalmia Magic Premium Skim Coat,*

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Sample / Application	Premium Brand Wall Putty (PBWP)	Dalmia Magic Premium Skim Coat (DMSC)	Remarks
<b>Coverage Area (in Sqft / Kg)</b>			
PBWP / DMSC (Two Coats)	45.69	58.96	DMSC exhibits ~30 % higher coverage than PBWP
Asian Paint-L143-Light Ivory (Double coat on Primed Surface)	222.61	236.40	DMSC exhibits ~6 % more coverage of paint than PBWP
Asian Paint-L143-Light Ivory (Double coat directly on PBWP / DMSC) Without Primer	198.34	219.89	DMSC exhibits ~11 % more coverage of paint than PBWP
<b>Comparison of Pull off Adhesion Strength of Paint with Premium Brand Wall Putty and Dalmia Magic Premium Skim Coat (in MPa)</b>			
Directly Painted Surface without Primer	1.16	1.52	DMSC exhibits <b>1.3 times (31 %)</b> higher strength than PBWP
Painted Surface with Primer	0.90	1.76	DMSC exhibits <b>1.9 times (95 %)</b> higher strength than PBWP
<b>Shade Reproducibility of Paint</b>			
	<b>Paint</b>	<b>ΔE Values</b>	<b>Remarks</b>
DMSC	Asian Paints L-143 (Tractor Emulsion, Water Based)- <i>Light Ivory</i>	0.97	Since all the values are < 1.0, therefore, no variation in shade of paint applied on the surface of DMSC vis. a vis. paint applied on the surface of Premium Brand Wall Putty <i>(Premium Brand Wall Putty is taken as the Standard)</i>  <b>Hence, Paint of any shade can be directly applied on DMSC without the use of primer KEEPING THE TRUE TONE OF THE PAINT SAME</b>
DMSC + Primer		0.93	
DMSC	Asian Paints L-315 (Tractor Emulsion, Water Based)- <i>Rain Drop</i>	0.54	
DMSC + Primer		0.41	

**Note: Fibre-Cement Sheets measuring 8 feet x 4 feet were used for all the studies**

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