

Calculating Use Level

TECHNICAL DATA

More than 50% of Chartwell customers find that the lowest recommended use level provides the best performance.

Low Use Level is CRITICAL: Frequently, a customer will report that improvement at 1.0% and 1.4% were modest, but **improvement at 0.35% was dramatic.**

So please consult the lowest use level recommendation listed on each product bulletin, and make sure to include that data point in your evaluation. We expect that you will be pleasantly surprised.

Sample Use Level Calculations in Coatings, Adhesives & Inks

• Water-Borne Latex Systems

100g	Latex (50% solids)
75g	Pigments & fillers
8g	Various additives
17g	Water
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200g	Total



Chartwell use level: **0.50g** (1.0 phr)
 0.18g (0.35 phr)

Level of 1.0 phr or part per hundred resin solids; this is equal to 0.25% on total formulation

• 2K Epoxy System

Part A:	100g	Epoxy resin
Part B:	50g	Hardener
	50g	Silica
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	200g	Total



Chartwell use level: **1.50g** (1.0 phr)
 0.53g (0.35 phr)

1.0 phr or 1% on hardener PLUS resin, ALL added to Part B

• 2K Polyurethane

Part A:	100g	Isocyanate polymer
Part B:	50g	Polyol
	25g	Filler
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	175g	Total



Chartwell use level: **1.50g** (1.0 phr)
 0.53g (0.35 phr)

1.0 phr or 1% on hardener PLUS resin, ALL added to Part B

