

Table showing strength of colour (%) to ratio of carrier (water, binder, thickener)

Higher % of colour i.e. 5% being the full shade yields the deepest colour

Lower % of colour i.e. 0.1% yields a paler shade of colour

Note: some colours may be explored down to their lowest % of 0.01 and may achieve very pale shades, however not all dyes and pigments will be responsive at this %. It is important to test and record your findings thoroughly to achieve great results.

These amounts will make a solution or print paste to a total weight of 100gms, if you require less weight for printing small samples and tests, halve the amount. i.e 5% strength becomes 2.5gms – 47.5mls or gms (total weight 50gms)

Strength of colour %	Amount of dye powder/ pigment colour	Amount of Water/ binder or thickener
5 %	5.0gms	95mls or gms
4.5%	4.5gms	95.5mls or gms
4.0%	4.0gms	96mls or gms
3.5%	3.5gms	96.5mls or gms
3.0%	3.0gms	97mls or gms
2.5%	2.5gms	97.5mls or gms
2.0%	2.0gms	98mls or gms
1.5%	1.5gms	98.5mls or gms
1.0%	1.0gms	99mls or gms
0.5%	0.5gms	99.5mls or gms
0.4%	0.4gms	99.6mls or or gms
0.3%	0.3gms	99.7mls or gms
0.2%	0.2gms	99.8mls or gms
0.1%	0.1gms	99.9mls or gms
0.09%	0.09gms	99.91mls or gms
0.08%	0.08gms	99.92mls or gms
0.07%	0.07gms	99.93mls or gms
0.06%	0.06gms	99.94mls or gms
0.05%	0.05gms	99.95mls or gms
0.04%	0.04gms	99.96mls or gms
0.03%	0.03gms	99.97mls or gms
0.02%	0.02gms	99.98mls or gms
0.01%	0.01gms	99.99mls or gms