

POWDER COATING SYSTEM EFFICIENCY

A powder coating system efficiency chart

	Transfer efficiency (%)									
Reclaim (%)	10	20	30	40	50	60	70	80	90	100
85	42.55	62.50	74.07	81.63	86.96	90.91	93.96	96.39	98.36	100.00
90	52.63	71.43	81.08	86.96	90.91	93.75	95.89	97.56	98.90	100.00
92	58.14	75.76	84.27	89.29	92.59	94.94	96.69	98.04	99.12	100.00
93	61.35	78.13	85.96	90.50	93.46	95.54	97.09	98.28	99.23	100.00
94	64.94	80.65	87.72	91.74	94.34	96.15	97.49	98.52	99.34	100.00
95	68.97	83.33	89.55	93.02	95.24	96.77	97.90	98.77	99.45	100.00
96	73.53	86.21	91.46	94.34	96.15	97.40	98.31	99.01	99.56	100.00
97	78.74	89.29	93.46	95.69	97.09	98.04	98.73	99.26	99.67	100.00
98	84.75	92.59	95.54	97.09	98.04	98.68	99.15	99.50	99.78	100.00
99	91.74	96.15	97.72	98.52	99.01	99.34	99.57	99.75	99.89	100.00

$$\text{System efficiency} = \frac{\text{Total amount of deposited powder}}{\text{Total amount of consumed powder}}$$

Source: Adapted with the kind permission of Nordson, Amherst, Ohio.