

Pigment Concentrate formulations:

Ingredients	Part by weight
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Irgalite Yellow BAT

Joncryl HPD 96 E	20.0
Water	35.1
DELTA-DC® 3590 (42% active)	2.9
Irgalite Yellow BAT	37.0
DELTA-FC® 1525	0.3
Parmetol A 28 S	0.1

Grind for 2 hours (shaker with glass beads or triple roll mill) and add:

Water	4.6
Total	100.0

Ingredients	Part by weight
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Monarch Black 570

Joncryl HPD 96 E	20.0
Water	30.1
DELTA-DC® 3590 (42% active)	2.9
Monarch Black 570	35.0
DELTA-FC® 1525	0.3
Parmetol A 28 S	0.1

Grind for 2 hours (shaker with glass beads or triple roll mill) and add:

Water	11.6
Total	100.0

Ingredients	Part by weight
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Irgalite Blue PG

Joncryl HPD 96 E	20.0
Water	15.1
DELTA-DC® 3590 (42% active)	2.9
Irgalite Blue PG	44.0
DELTA-FC® 1525	0.3
Parmetol A 28 S	0.1

Grind for 2 hours (shaker with glass beads or triple roll mill) and add:

Water	17.6
Total	100.0

Ink formulations:

Ingredients	Part by weight
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Joncryl 8052	65.0
DELTA-SC® 2580	1.0
Water	4.0
Pigment Concentrate	30.0
Total	100.0

To be mixed for 5 minutes at 2000 rpm

Gloss measurement:	at 20°	at 60°
Ink with Monarch Black 570	28	67
Ink with Irgalite Yellow BAT	26	67
Ink with Irgalite Blue PG	30	66