

DATA SHEET

Deveco Tri-Color Concentrates

Deveco Trivalent chromates are easily dyed yellow, blue, green, aqua (blue-green), purple, teal, olive drab or red.

Colors can be produced as a single dip by incorporating the TRI-color concentrate in the chromate bath, or they can be dyed in a secondary dip tank. Several of the dyes degrade over time when made into liquids, so they are added as powders.

MAKE-UP_: - Single-dip Yellow Conversion Coating

Deveco Trivalent chromate	% by volume per data sheet
Deveco TRI-Yellow Conc.	2 to 4% by volume

MAKE-UP_: - Single-dip Red Conversion Coating

Deveco Trivalent chromate	% by volume per data sheet
Deveco TRI-Red Conc.	2 to 6 g/l of the powdered dye

Refer to the trivalent chromate's data sheet for temperature, pH, and immersion times. Alternatively, trivalent chromates can also be dyed by making the TRI-color concentrates as secondary dye dip tanks.

MAKE-UP as Dye Dip Solutions

	Concentration	Temperature	PH	Time (seconds)
TRI-Gold Conc.	1 to 3 %	70 to 90 F	4.0 to 5.0	30 to 60
TRI-Yellow Conc.	2 to 4%	70 to 90 F	4.0 to 5.0	30 to 60
TRI-Green Conc.	1 to 3 %	70 to 150 F	4.0 to 4.6	10 to 60
TRI-OD Conc.	2 to 6 %	70 to 150 F	4.0 to 4.6	30 to 90
TRI-Aqua Conc.	2 to 6 %	70 to 150 F	4.0 to 4.6	10 to 60
TRI-Purple Conc.	2 to 6 %	70 to 150 F	4.0 to 4.6	30 to 90
TRI-Teal Conc.	3 to 6%	70 to 150 F	4.0 to 4.6	30 to 90
TRI-Blue Conc.	1 to 3 g/l	70 to 150 F	3.0 to 4.0	30 to 60
TRI-Red Conc.	2 to 6 g/l	70 to 150 F	4.0 to 4.6	10 to 60

Deeper colors in shorter times can be obtained by raising the dye solution temperature.

Deveco Tri-dye Builder added (1 to 2%) in dye solution also produces a deeper, more uniform color.

pH of the dye solutions is lowered with Acetic Acid, or raised with Ammonium Hydroxide.

Read Material Safety Data Sheet before using this product.

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