



TRIADE

**Triaset Dyestuffs on 100%
wool**

Triaset Dyes:

The Triaset dyestuff range is a compilation of 1:2 metal complex, fast acid and reactive dyes with a high level of fastnesses and almost identical dyeing properties. These dyestuffs are applicable on wool, polyamide and wool/polyamide mixtures. Dyeable are piece goods, fully fashioned knitgoods, yarns, loose stock and slubbing.

Compatibility:

With their almost similar dyeing properties Triaset dyes can be freely applied together in combinations.

Dissolving the Triaset Dyes:

Paste the Triaset dyes with cold water, then add boiling water or boil up briefly.

Remark: The temperature of dye solutions containing Triaset Red 2B should not exceed 60°C.

pH-value of the dyebath:

Triaset dyes can be applied at pH 4.5 - 5.0 independent of depth of shade and stage of processing. This pH can be set with sodium acetate/acetic acid.

Dyeing method:

Prepare dyebath with:

1.5 – 4.0	%	Acetic Acid 80%
1.0 – 2.0	g/l	Sodium Acetate
1.0 – 10.0	g/l	Sodium Sulphate
1.0 – 1.5	%	Levelling agent

Add the prescouring material at 50°C.

Continue 10 minutes at 50°C.

Add properly dissolved Triaset dyestuffs within 20 minutes.

Continue 10 minutes at 50°C.

Raise the temperature up to 65°C. and continue 15 minutes.

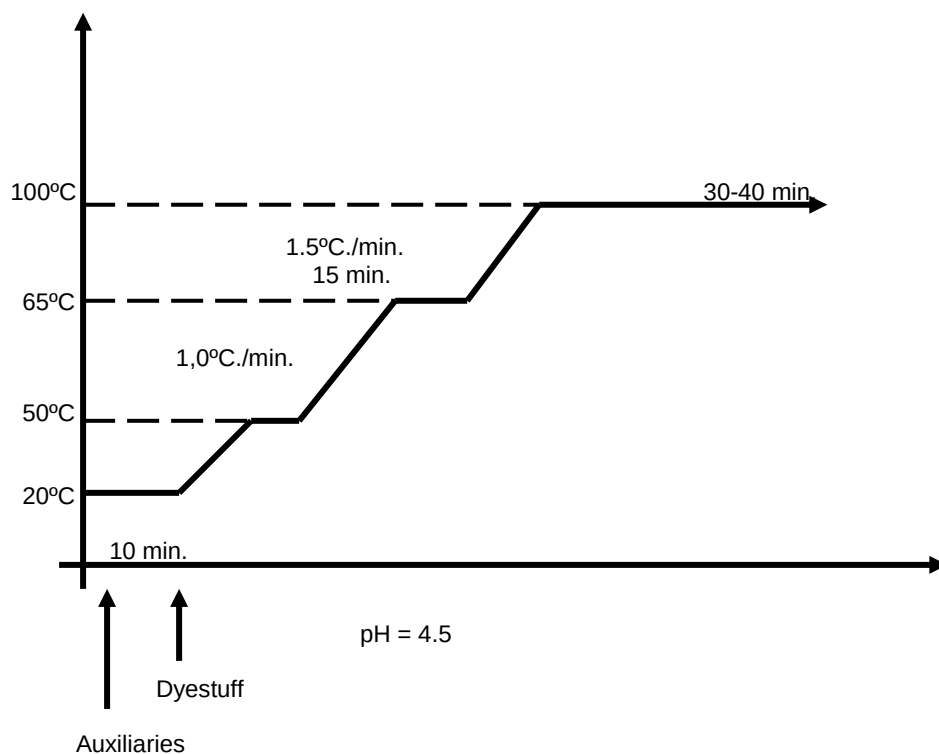
Raise the temperature up to 90 - 95°C. within 15 minutes.

Continue 30 - 40 minutes at 90 - 95°C.

Cool down and rinse warm and cold.

It is advisable to add in the final rinse bath 1-2% formic acid 85% for improving handle of the wool, the spinning properties of loose stock and slubbing, improving the fastness of medium and deep shades to hot water and preventing the growth of microorganisms if the goods are left for prolonged periods in wet state.

Graph:



Shading:

All Triaset dyes can be used for shading. Before the shading dye is added, the dyebath should be cooled down to 75 - 80°C.

Correcting faulty dyeings:

Dyeings that have turned out too deep or slightly unlevel can be weakened 15 - 20% or levelled by treating in a fresh bath.

Recipe:

2.0	%	Levelling agent
10.0	%	Sodium Sulphate
X	%	Acetic acid 80%

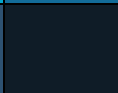
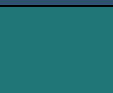
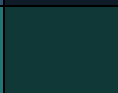
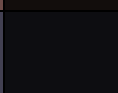
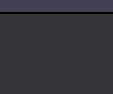
pH 6.0. Run 10 minutes at 98°C or 15 minutes at 103°C

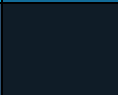
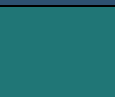
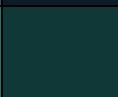
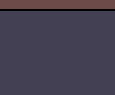
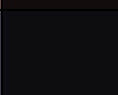
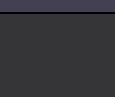
Re-dyeing:

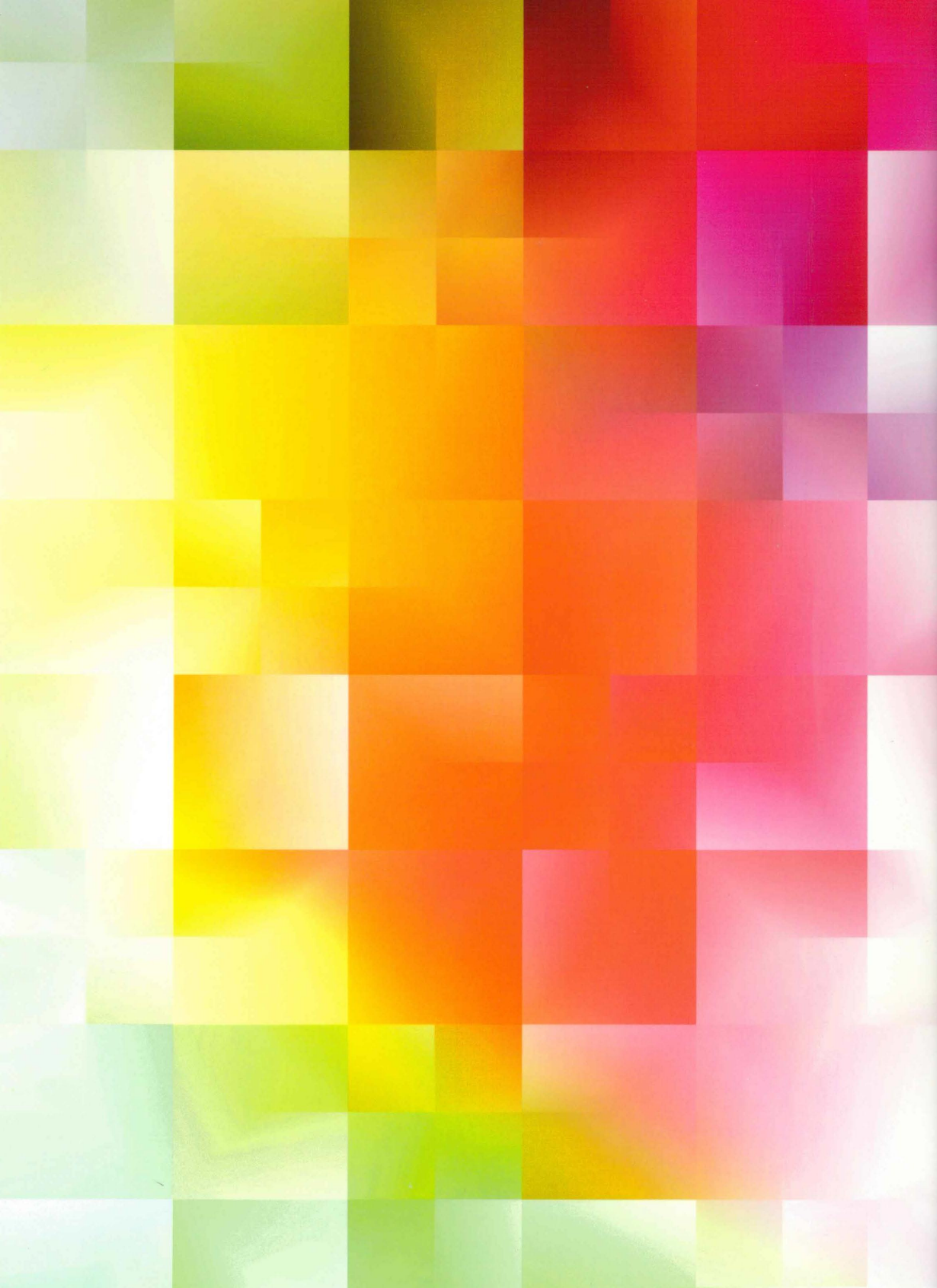
Set dyebath at 60 - 70°C and adjust with acetic acid to pH 4.5 and re-dye.

 TRIADÉ	Triaset Dyestuffs Dye concentration		Lightfastness 1/1	Solubility (g/l)	Water, severe			Washing, 50°C			Perspiration alkaline		
	0,5%	3,0%			Ch.	WO	CO	Ch.	WO	CO	Ch.	WO	CO
Triaset Yellow 4GN			6	40	5	5	5	5	5	5	5	4-5	4-5
Triaset Yellow 2R			6-7	100	5	5	5	5	5	5	5	4-5	4-5
Triaset Orange RN			6	80	5	5	5	5	5	5	5	5	5
Triaset Red 2B			6	30	5	5	5	5	5	5	5	4-5	4-5
Triaset Red G			6	100	5	5	5	5	5	4-5	5	5	4-5
Triaset Bordeaux B			5	100	5	5	5	5	5	5	5	5	4-5
Triaset Violet B			5-6	100	5	5	5	4-5	5	5	5	5	5

	Triaset Dyestuffs Dye concentration		Rubbing		Milling, alkaline, severe			Hot water, 70°C			Formaldehyde resistance	Wool chlorination	Decatizing, severe
	0,5%	3,0%	Dry	Wet	Ch.	WO	CO	Ch.	WO	CO			
Triaset Yellow 4GN			5	4-5	5	4	5	5	4-5	5	4-5	4-5	4-5
Triaset Yellow 2R			5	4-5	4-5	5	5	5	4-5	5	4	4-5	4-5
Triaset Orange RN			5	4	5	4-5	5	5	5	5	4	4-5	5
Triaset Red 2B			5	4	5	3-4	4-5	5	4-5	4-5	4-5	4-5	5
Triaset Red G			5	4	5	4-5	4-5	5	4	4-5	3-4	4	5
Triaset Bordeaux B			5	4	5	4-5	5	5	4-5	4-5	4	4	5
Triaset Violet B			5	4	4-5	4-5	5	5	4-5	5	4	2-3	5
WITHOUT GUARANTEE													

	Triaset Dyestuffs Dye concentration		Lightfastness 1/1	Solubility (g/l)	Water, severe			Washing, 50°C			Perspiration alkaline		
	0,5%	3,0%			Ch.	WO	CO	Ch.	WO	CO	Ch.	WO	CO
Triaset Blue 2R			5-6	100	5	4-5	4-5	5	5	5	5	4-5	4-5
Triaset Blue 5G			6	100	5	5	5	5	5	5	5	5	5
Triaset Navy R			6	80	5	5	5	5	5	5	5	5	5
Triaset Green B			6	100	4-5	5	5	4-5	5	5	4-5	5	5
Triaset Brown G			6-7	80	5	4-5	4-5	5	5	5	5	4-5	4-5
Triaset Brown B			6-7	100	5	5	5	5	5	5	5	5	5
Triaset Grey G			6-7	100	5	5	5	5	5	5	5	5	5
Triaset Black B			7	50	5	5	5	5	5	5	5	5	5

	Triaset Dyestuffs Dye concentration		Rubbing		Milling, alkaline, severe			Hot water, 70°C			Formaldehyde resistance	Wool chlorination	Decatizing, severe
	0,5%	2%	Dry	Wet	Ch.	WO	CO	Ch.	WO	CO			
Triaset Blue 2R			4-5	4	5	4-5	5	5	4-5	5	4-5	2-3	5
Triaset Blue 5G			4-5	4	5	5	5	5	4-5	5	4	3	5
Triaset Navy R			5	4	4-5	4	5	5	4-5	5	4-5	4-5	5
Triaset Green B			5	4-5	4-5	5	5	4-5	5	5	4	4	5
Triaset Brown G			4-5	4	4-5	4-5	5	5	4-5	4-5	4-5	4-5	5
Triaset Brown B			5	4-5	5	4-5	5	5	4-5	5	4-5	4	5
Triaset Grey G			5	4-5	5	4-5	5	5	5	5	4-5	4	5
Triaset Black B			5	3-4	5	3-4	4-5	5	4	4-5	4-5	4-5	4-5
WITHOUT GUARANTEE													



Chemische Fabriek Triade

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