






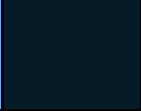

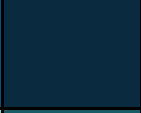







**TRIADE**

**Triamet Dyestuffs  
on Wool**

 TRIAD	Triamet Dye concentration		Levelling	Light	Water	Washing	Perspiration alk.	Perspiration ac.	Rubbing dry and wet	Alk. Milling severe	Dry cleaning	Solubility
	0,5%	2%										
Yellow 2G			4	5 6-7	4 4-5 4-5	4-5 5 5	4-5 4-5 4-5	5 4-5 4-5	4-5 4 4	3 4 4	4	100
Yellow GR 150%			4-5	3-4 5	4-5 4-5 4-5	4 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4-5	4-5 4 4	4 4 4	4-5	60
Orange G 200%			4	5 6	4-5 4-5 4-5	4-5 4-5 4-5	4 4-5 4-5	4 4-5 4-5	4-5 4 4	4 5 5	4-5	50
Orange 2G 135%			4-5	5 6-7	4-5 4 5	4 5 4-5	3-4 4 5	3-4 4-5 5	4-5 4 4	3-4 5 5	4	80
Red GRE 150%			3-4	5 6-7	4 4 4-5	4 5 4-5	3-4 4 4	3-4 4 4-5	4-5 4 4	3-4 5 4	4	60
Red LB 200%			4	4 5-6	4 4 4-5	4 4-5 4-5	4 4 4	4 4 4	4-5 4 4	3-4 4-5 4-5	4	50
Pink BEN 300%			3-4	4 5	4 3-4 4-5	4 4-5 4-5	4 4 4-5	4 3-4 4-5	4-5 4 4	3 4-5 4	4-5	40
Pink BE 200%			5	3 5	4-5 4-5 4	4-5 4-5 4-5	4-5 4-5 4	4-5 4 4	4-5 4 4	3-4 4 4	4-5	40

 <b>TRIADÉ</b>	Triamet Dye concentration		Levelling	Light	Water	Washing	Perspiration alk.	Perspiration ac.	Rubbing dry and wet	Alk. Milling severe	Dry cleaning	Solubility
	0,5%	2%										
Bordeaux RM			4	4 5	4-5 4-5 4	4-5 4-5 4-5	4 4-5 4	4 4 4	4-5 4-5 4-5	3 5 4-5	4-5	30
Violet 5R			4	4 5-6	4-5 4 4-5	3-4 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4	3-4 4-5 4-5	4-5	40
Bleu 2R			4	5 6	4-5 4 4-5	4 5 5	3-4 5 4-5	4 5 4-5	4 3-4 3-4	3 5 5	3-4	30
Blue 2G 200%			4-5	4 5	4-5 4 3-4	4 4-5 4-5	3-4 4 3-4	3-4 4 4	4-5 4 4	3 4-5 4	4-5	30
Green BL			4	4-5 5-6	4-5 4 4-5	3-4 4-5 4-5	4 4-5 4-5	4 4 4-5	4-5 4 4	3 3-4 4	4-5	50

 TRIAD	Triamet Dye concentration		Levelling	Light	Water	Washing	Perspiration alk.	Perspiration ac.	Rubbing dry and wet	Alk. Milling severe	Dry cleaning	Solubility
	0,5%	2%										
Brown G			4	4-5 5-6	4 4-5 4-5	4 4-5 4-5	4 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4	3-4 4 4	4-5	80
Brown R			4	4-5 5-6	4-5 4-5 4-5	4 4-5 4-5	4 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4	3-4 4 4	4-5	80
	2%	4%										
Navy Blue 2RLB conc.			3-4	- 6-7	4 3-4 4	4 4-5 4-5	4 4 3-4	4 3-4 4	4 3-4 3-4	3-4 4 4	4	20
Navy Blue R			3-4	- 6-7	4 3-4 3-4	4 4-5 4-5	4 3-4 3-4	4 3-4 3-4	4 3-4 3-4	3-4 4 4	4	20
Black WA 120%			3	- 7-8	4-5 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4-5	4-5 4-5 4-5	4 3-4 3-4	4 3-4 3-4	4-5	-



## **Fastness tests in 1/1 Standard Depth**

### **Light ISO 105-B02**

Xenonlamp 1/12 and 1/1 Standard Depth

### **Water ISO 105-E01**

**Severe** : 4 hours at 37°C  
Change of shade  
Staining wool  
Staining cotton

### **Washing ISO 105-C02**

During 30 minutes at 50°C in a solution of 5 g/l soap.

### **Perspiration ISO 105-E04**

The specimen is treated during 30 minutes at 20°C in a solution with:

- 5.0 g/l Sodium chloride
  - 0.5 g/l Histidine Monohydrochloride-monohydrate
  - 2.2 g/l Sodiumhydrogen Orthophosphate-dihydrate
- pH is brought to 5.5 with 0.1N Sodiumhydroxide  
Liquor ratio 50:1

Pour off the solution and wipe the excess liquor of the specimen.

The specimen is placed between two glassplates in a hydrotest during 4 hours at 37°C under a pressure of 5 kg.

For the alkaline perspiration the pH is brought to 8.

### **Rubbing ISO 105-X12**

Crockmeter: In 10 seconds 10 times to and from over 10 cm, under a weight of 900 grs.

Upper figure is dry rubbing. Lowest figure is wet rubbing.

### **Alkaline milling(severe) ISO 105-II**

The specimen is treated during 2 hours at 40°C in a solution of 50 grs/l soap and 10 grs/l soda calc. Liquor to ratio 3:1. After 2 hours the ratio is changed in 100:1 with soft water and treatment is continued during 10 minutes.

### **Dry cleaning ISO 105-D01**

The specimen, between two pieces of cotton, is treated during 30 minutes at 30°C in 200ml perchloroethylene

together with 20 steelballs. After drying, staining of cotton is rated.

### **Solubility**

Dyestuffs is pasted with cold soft water and water of 98°C is added. The solution is boiled during 5 minutes and cooled down to 90°C.

### **Levelling**

1 = very poor

5 = excellent

### **Dyeing method (For 1:1 metalcomplex dyestuffs)**

8.0% Sulphuric acid 96%

10.0% Glaubers Salt calc.

or

2.0% Sulphuric acid 96%

2.0% Levelling Agent

10.0% Glaubers Salt calc.

40°C ---- 10 minutes

Dyestuff solution is added, maintain temperature during 10 minutes.

Raise temperature within 40 minutes to 98°C and continue dyeing for 60-90 minutes.

Rinse warm and cold.

### **Dyeing method for Triamet Black WA conc.**

1.5 - 2.0% Formic acid 85%

2.0 - 3.0% Levelling agent

40°C ---- 10 minutes

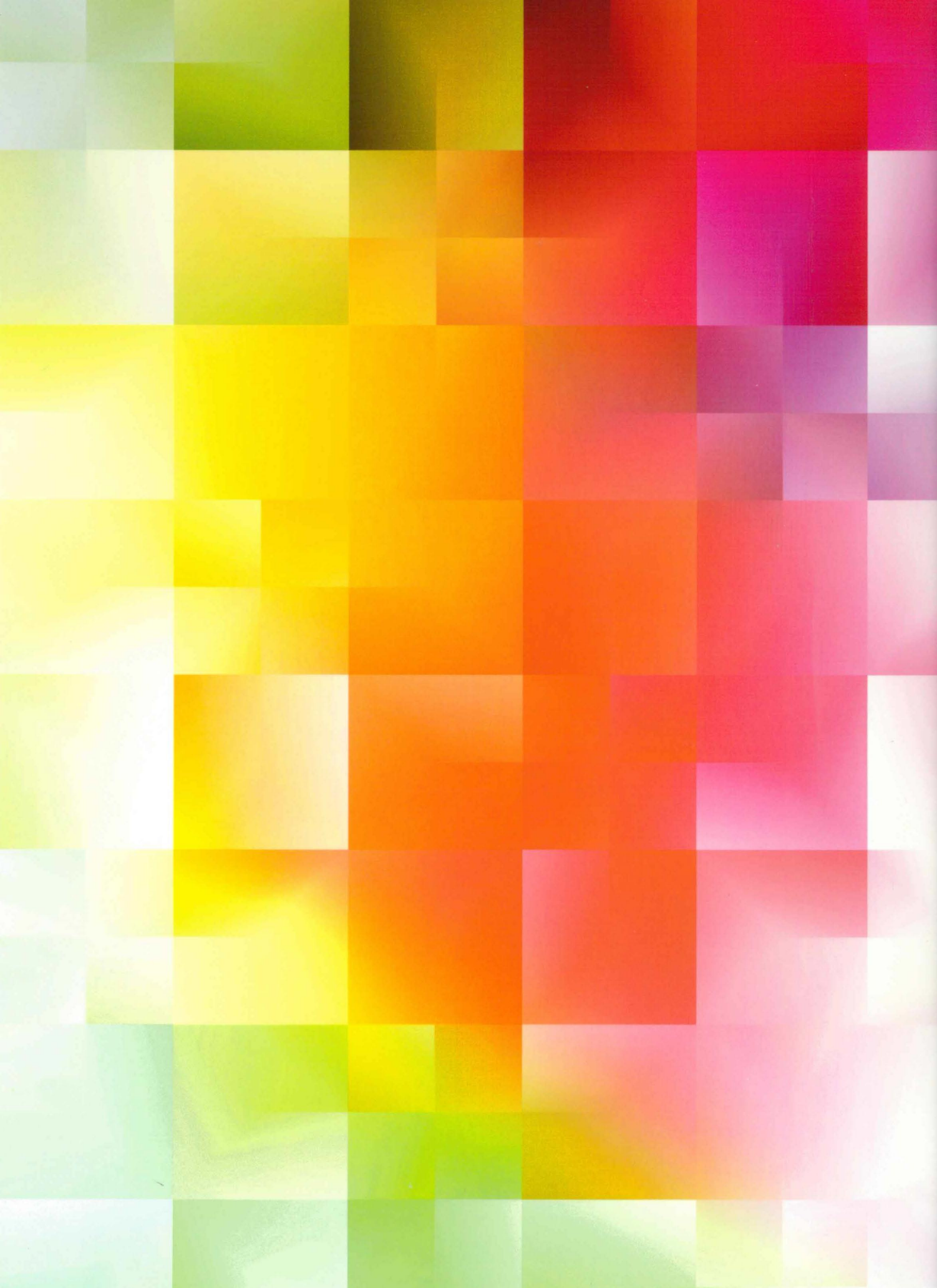
Dyestuff solution is added, maintain temperature during 10 minutes. Raise temperature within 40 minutes to 98°C and continue dyeing for 30 minutes.

Turn down steam supply and add:

3.0% Sulphuric acid 96°C

Raise temperature to 98°C and continue dyeing for a further 30 minutes.

Rinse warm and cold.



Chemische Fabriek Triade

P.O. Box 43 ■ 2675 ZG Honselersdijk ■ Dijkweg 159 ■ 2675 AD Honselersdijk ■ The Netherlands