UTTAM PRODUCTS

JASANI Group

JCOFAST™

Naphthols, Fast Bases & Fast Salts

Shade Catalogue

Azoic colouration for yarns and fabrics



48 products / 88 colour combinations

Explore coupling and developing components for yarn and fabric dyeing and printing. The shade catalogue below illustrates the reference colour combinations; chemical profiles and application literature follows.

11 JCOTHOL • 22 FAST JCOBASE • 15 FAST JCOSALTS

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Find Your Product

All 48 grades • Click any grade to open its product reference

JCOTHOL supplies the coupling component. FAST JCOBASE and FAST JCOSALTS provide alternative developing routes. The complete pairing and process determine the final colour on yarn or fabric.

JCOTHOL
11 coupling grades

- N01 AS
- N02 ASBO
- N03 ASBS
- N04 ASD
- N05 ASE
- N06 ASOL
- N07 ASPH
- N08 ASCL
- N09 ASSW
- N10 ASTR
- N11 ASG

FAST JCOBASE
22 developing grades

- B01 Bordeaux GP
- B02 Orange GC
- B03 Garnet GBC
- B04 Red B
- B05 Red TR
- B06 Scarlet G
- B07 Scarlet R
- B08 Scarlet RC
- B09 Red R
- B10 Red RC
- B11 MNPT
- B12 Red RL
- B13 Yellow GC
- B14 Scarlet GG
- B15 Scarlet GGS
- B16 Red KB
- B17 Red 3GL
- B18 Violet B
- B19 Blue B
- B20 Blue BB
- B21 Orange GR
- B22 Red GL

FAST JCOSALTS
15 developing grades

- S01 Yellow GC
- S02 Orange GC
- S03 Scarlet R
- S04 Scarlet GG
- S05 Bordeaux GP
- S06 Red B
- S07 Red RC
- S08 Red 3GL
- S09 Blue B
- S10 Blue BB
- S11 Black K
- S12 Black B
- S13 Corianth V
- S14 Red TR
- S15 Scarlet RC

Browse the Brochure

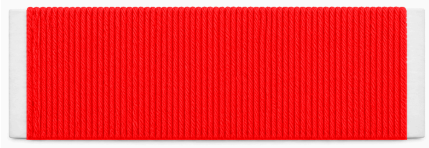
Colour combinations / Product profiles / Application guide

Chemical profiles identify reference molecules. Commercial strength, stabilisation and supply form belong to the exact grade. Colour illustrations and fastness figures refer to the stated cotton yarn pairings, doses and test conditions.

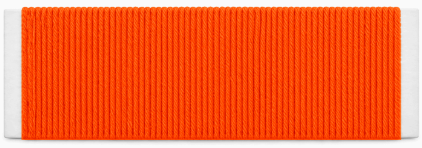
Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL AS



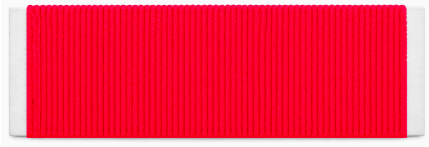
JCOTHOL AS
JCOBASE Yellow GC
JCOTHOL 3 g/L | JCOBASE 1.7 g/L
Light 4 Washing 3 Chlorine 4–5



JCOTHOL AS
JCOBASE Orange GC
JCOTHOL 3 g/L | JCOBASE 1.7 g/L
Light 5–6 Washing 3–4 Chlorine 4



JCOTHOL AS
JCOBASE Scarlet G
JCOTHOL 3 g/L | JCOBASE 1.5 g/L
Light 6 Washing 3–4 Chlorine 4–5



JCOTHOL AS
JCOBASE Scarlet GGS
JCOTHOL 3 g/L | JCOBASE 2.3 g/L
Light 6 Washing 3–4 Chlorine 5



JCOTHOL AS
JCOBASE Scarlet R
JCOTHOL 3 g/L | JCOBASE 2.3 g/L
Light 5 Washing 3–4 Chlorine 4–5



JCOTHOL AS
JCOBASE Red B
JCOTHOL 3 g/L | JCOBASE 1.8 g/L
Light 5 Washing 3 Chlorine 4–5



JCOTHOL AS
JCOBASE Red RC
JCOTHOL 3 g/L | JCOBASE 2.0 g/L
Light 4 Washing 3–4 Chlorine 4–5



JCOTHOL AS
JCOBASE Red TR
JCOTHOL 3 g/L | JCOBASE 2.0 g/L
Light 4–5 Washing 3 Chlorine 5



JCOTHOL AS
JCOBASE Red GL
JCOTHOL 3 g/L | JCOBASE 1.5 g/L
Light 6 Washing 2–3 Chlorine 4–5



JCOTHOL AS
JCOBASE Bordeaux GP
JCOTHOL 3 g/L | JCOBASE 1.8 g/L
Light 5 Washing 3 Chlorine 5



JCOTHOL AS
JCOBASE Garnet GBC
JCOTHOL 3 g/L | JCOBASE 2.8 g/L
Light 4 Washing 3–4 Chlorine 4–5



JCOTHOL AS
JCOBASE Violet B
JCOTHOL 1.5 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 5

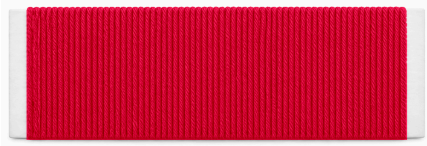


JCOTHOL AS
JCOBASE Blue B
JCOTHOL 1.5 g/L | JCOBASE 1.0 g/L
Light 3 Washing 4–5 Chlorine 4

Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASBO



JCOTHOL ASBO
JCOBASE Scarlet G
JCOTHOL 4 g/L | JCOBASE 1.5 g/L
Light 5–6 Washing 4 Chlorine 5



JCOTHOL ASBO
JCOBASE Scarlet GGS
JCOTHOL 4 g/L | JCOBASE 2.3 g/L
Light 6 Washing 3–4 Chlorine 4



JCOTHOL ASBO
JCOBASE Scarlet RC
JCOTHOL 4 g/L | JCOBASE 2.3 g/L
Light 5–6 Washing 4 Chlorine 4



JCOTHOL ASBO
JCOBASE Red B
JCOTHOL 4 g/L | JCOBASE 1.8 g/L
Light 6–7 Washing 3–4 Chlorine 4



JCOTHOL ASBO
JCOBASE Red GL
JCOTHOL 4 g/L | JCOBASE 1.5 g/L
Light 6–7 Washing 3–4 Chlorine 4



JCOTHOL ASBO
JCOBASE Red KB
JCOTHOL 4 g/L | JCOBASE 2.0 g/L
Light 5–6 Washing 3–4 Chlorine 4–5



JCOTHOL ASBO
JCOBASE Red RL
JCOTHOL 4 g/L | JCOBASE 1.5 g/L
Light 5 Washing 4 Chlorine 4



JCOTHOL ASBO
JCOBASE Red TR
JCOTHOL 4 g/L | JCOBASE 2.0 g/L
Light 5 Washing 3–4 Chlorine 4



JCOTHOL ASBO
JCOBASE Bordeaux GP
JCOTHOL 4 g/L | JCOBASE 1.8 g/L
Light 6–7 Washing 3 Chlorine 4–5



JCOTHOL ASBO
JCOBASE Garnet GBC
JCOTHOL 4 g/L | JCOBASE 2.8 g/L
Light 6 Washing 4 Chlorine 4–5



JCOTHOL ASBO
JCOBASE Violet B
JCOTHOL 2 g/L | JCOBASE 2.0 g/L
Light 4 Washing 4–5 Chlorine 4–5



JCOTHOL ASBO
JCOBASE Blue B
JCOTHOL 2 g/L | JCOBASE 1.0 g/L
Light 4 Washing 4 Chlorine 3

Colour Combinations

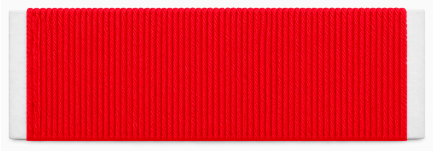
Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASBO

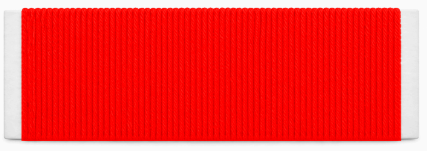


JCOTHOL ASBO
JCOBASE Blue BB
JCOTHOL 2 g/L | JCOBASE 2.4 g/L
Light 4–5 Washing 5 Chlorine 3–4

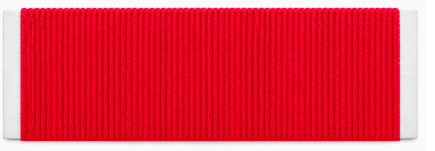
JCOTHOL ASSW



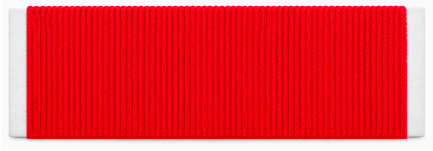
JCOTHOL ASSW
JCOBASE Yellow GC
JCOTHOL 2 g/L | JCOBASE 1.7 g/L
Light 5–6 Washing 4 Chlorine 4



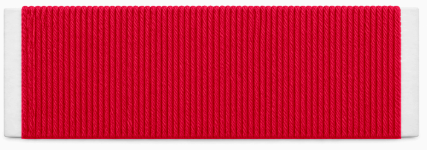
JCOTHOL ASSW
JCOBASE Orange GC
JCOTHOL 2 g/L | JCOBASE 1.7 g/L
Light 5 Washing 3 Chlorine 4–5



JCOTHOL ASSW
JCOBASE Scarlet G
JCOTHOL 2 g/L | JCOBASE 1.5 g/L
Light 5–6 Washing 4 Chlorine 4–5



JCOTHOL ASSW
JCOBASE Scarlet GGS
JCOTHOL 2 g/L | JCOBASE 2.3 g/L
Light 5–6 Washing 3–4 Chlorine 5



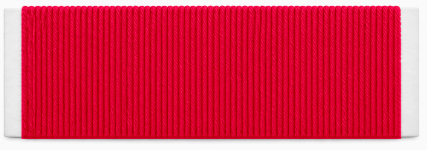
JCOTHOL ASSW
JCOBASE Scarlet R
JCOTHOL 2 g/L | JCOBASE 2.3 g/L
Light 5 Washing 3–4 Chlorine 5



JCOTHOL ASSW
JCOBASE Red B
JCOTHOL 2 g/L | JCOBASE 1.8 g/L
Light 5 Washing 3 Chlorine 3–4



JCOTHOL ASSW
JCOBASE Red GL
JCOTHOL 2 g/L | JCOBASE 1.5 g/L
Light 5–6 Washing 4 Chlorine 5



JCOTHOL ASSW
JCOBASE Red KB
JCOTHOL 2 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 5



JCOTHOL ASSW
JCOBASE Red RC
JCOTHOL 2 g/L | JCOBASE 2.0 g/L
Light 5 Washing 4 Chlorine 4–5

Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASSW



JCOTHOL ASSW
JCOBASE Bordeaux GP
JCOTHOL 2 g/L | JCOBASE 1.8 g/L
Light 6 Washing 3 Chlorine 4



JCOTHOL ASSW
JCOBASE Garnet GBC
JCOTHOL 2 g/L | JCOBASE 2.8 g/L
Light 4–5 Washing 4 Chlorine 4–5

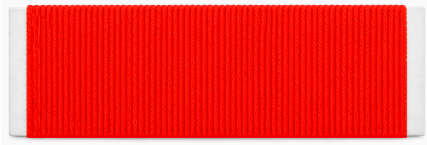


JCOTHOL ASSW
JCOBASE Violet B
JCOTHOL 1 g/L | JCOBASE 2.0 g/L
Light 4–5 Washing 5 Chlorine 4–5



JCOTHOL ASSW
JCOBASE Blue B
JCOTHOL 1 g/L | JCOBASE 2.4 g/L
Light 4–5 Washing 5 Chlorine 4

JCOTHOL ASTR



JCOTHOL ASTR
JCOBASE Orange GC
JCOTHOL 4.5 g/L | JCOBASE 1.7 g/L
Light 6 Washing 4 Chlorine 4–5



JCOTHOL ASTR
JCOBASE Scarlet G
JCOTHOL 4.5 g/L | JCOBASE 1.5 g/L
Light 4–5 Washing 3–4 Chlorine 4



JCOTHOL ASTR
JCOBASE Scarlet GGS
JCOTHOL 4.5 g/L | JCOBASE 2.3 g/L
Light 6 Washing 2–3 Chlorine 3–4



JCOTHOL ASTR
JCOBASE Scarlet RC
JCOTHOL 4.5 g/L | JCOBASE 2.3 g/L
Light 5–6 Washing 3–4 Chlorine 5



JCOTHOL ASTR
JCOBASE Red B
JCOTHOL 4.5 g/L | JCOBASE 1.8 g/L
Light 6 Washing 3 Chlorine 4–5

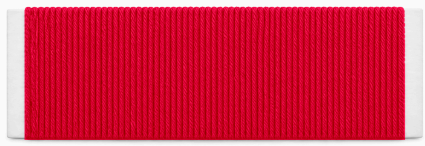


JCOTHOL ASTR
JCOBASE Red GL
JCOTHOL 4.5 g/L | JCOBASE 1.5 g/L
Light 5–6 Washing 4 Chlorine 4

Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASTR



JCOTHOL ASTR
JCOBASE Red KB
JCOTHOL 4.5 g/L | JCOBASE 2.0 g/L
Light 5–6 Washing 4 Chlorine 5



JCOTHOL ASTR
JCOBASE Red RC
JCOTHOL 4.5 g/L | JCOBASE 2.0 g/L
Light 4 Washing 4–5 Chlorine 4–5



JCOTHOL ASTR
JCOBASE Red TR
JCOTHOL 4.5 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 5



JCOTHOL ASTR
JCOBASE Bordeaux GP
JCOTHOL 4.5 g/L | JCOBASE 1.8 g/L
Light 5 Washing 4–5 Chlorine 4–5



JCOTHOL ASTR
JCOBASE Garnet GBC
JCOTHOL 4.5 g/L | JCOBASE 2.8 g/L
Light 5 Washing 4–5 Chlorine 4–5



JCOTHOL ASTR
JCOBASE Violet B
JCOTHOL 4.5 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 5



JCOTHOL ASTR
JCOBASE Blue BB
JCOTHOL 2.25 g/L | JCOBASE 2.4 g/L
Light 5 Washing 5 Chlorine 4–5

JCOTHOL ASOL



JCOTHOL ASOL
JCOBASE Orange GC
JCOTHOL 2.75 g/L | JCOBASE 1.7 g/L
Light 5–6 Washing 3–4 Chlorine 5



JCOTHOL ASOL
JCOBASE Scarlet G
JCOTHOL 2.75 g/L | JCOBASE 1.5 g/L
Light 5 Washing 4 Chlorine 4–5



JCOTHOL ASOL
JCOBASE Scarlet RC
JCOTHOL 2.75 g/L | JCOBASE 2.3 g/L
Light 5–6 Washing 3–4 Chlorine 5

Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASOL



JCOTHOL ASOL
JCOBASE Red B
JCOTHOL 2.75 g/L | JCOBASE 1.8 g/L
Light 6–7 Washing 3–4 Chlorine 4



JCOTHOL ASOL
JCOBASE Red RC
JCOTHOL 2.75 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 4–5



JCOTHOL ASOL
JCOBASE Red TR
JCOTHOL 2.75 g/L | JCOBASE 2.0 g/L
Light 5–6 Washing 3–4 Chlorine 4



JCOTHOL ASOL
JCOBASE Red RL
JCOTHOL 2.75 g/L | JCOBASE 1.5 g/L
Light 6–7 Washing 3 Chlorine 3



JCOTHOL ASOL
JCOBASE Bordeaux GP
JCOTHOL 2.75 g/L | JCOBASE 1.8 g/L
Light 6–7 Washing 4 Chlorine 5



JCOTHOL ASOL
JCOBASE Violet B
JCOTHOL 1.25 g/L | JCOBASE 2.0 g/L
Light 5 Washing 5 Chlorine 4–5



JCOTHOL ASOL
JCOBASE Blue BB
JCOTHOL 1.5 g/L | JCOBASE 2.4 g/L
Light 5 Washing 5 Chlorine 4

JCOTHOL ASPH



JCOTHOL ASPH
JCOBASE Red KB
JCOTHOL 5 g/L | JCOBASE 2.0 g/L
Light 5–6 Washing 4 Chlorine 4–5

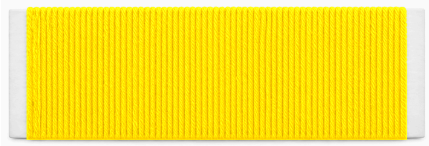


JCOTHOL ASPH
JCOBASE Red RL
JCOTHOL 5 g/L | JCOBASE 1.5 g/L
Light 6 Washing 4 Chlorine 5

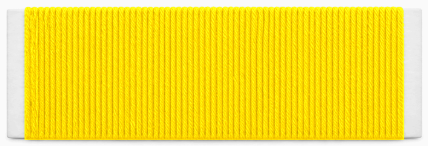
Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

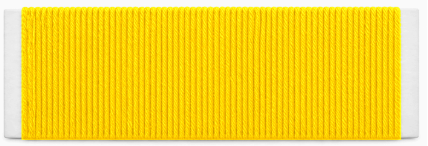
JCOTHOL ASG



JCOTHOL ASG
JCOBASE Yellow GC
JCOTHOL 3 g/L | JCOBASE 1.7 g/L
Light 5 Washing 5 Chlorine 3–4



JCOTHOL ASG
JCOBASE Red RC
JCOTHOL 3 g/L | JCOBASE 2.0 g/L
Light 4–5 Washing 4–5 Chlorine 4–5



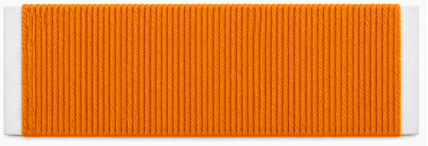
JCOTHOL ASG
JCOBASE Red KB
JCOTHOL 3 g/L | JCOBASE 2.0 g/L
Light 4–5 Washing 5 Chlorine 4–5



JCOTHOL ASG
JCOBASE Red B
JCOTHOL 3 g/L | JCOBASE 1.8 g/L
Light 5 Washing 4–5 Chlorine 4–5



JCOTHOL ASG
JCOBASE Bordeaux GP
JCOTHOL 3 g/L | JCOBASE 1.8 g/L
Light 4–5 Washing 4 Chlorine 4



JCOTHOL ASG
JCOBASE Garnet GBC
JCOTHOL 3 g/L | JCOBASE 2.8 g/L
Light 4–5 Washing 4 Chlorine 4

JCOTHOL ASBS



JCOTHOL ASBS
JCOBASE Scarlet G
JCOTHOL 5 g/L | JCOBASE 1.5 g/L
Light 4 Washing 2–3 Chlorine 4–5



JCOTHOL ASBS
JCOBASE Scarlet RC
JCOTHOL 5 g/L | JCOBASE 2.3 g/L
Light 4 Washing 3 Chlorine 4–5



JCOTHOL ASBS
JCOBASE Red GL
JCOTHOL 5 g/L | JCOBASE 1.5 g/L
Light 3–4 Washing 2–3 Chlorine 4



JCOTHOL ASBS
JCOBASE Red B
JCOTHOL 5 g/L | JCOBASE 1.8 g/L
Light 4 Washing 2–3 Chlorine 4–5



JCOTHOL ASBS
JCOBASE Bordeaux GP
JCOTHOL 5 g/L | JCOBASE 1.8 g/L
Light 4 Washing 3 Chlorine 4–5



JCOTHOL ASBS
JCOBASE Garnet GBC
JCOTHOL 5 g/L | JCOBASE 2.8 g/L
Light 4–5 Washing 3 Chlorine 4–5

Colour Combinations

Doses in g/L. Fastness ratings: Light maximum 8; Washing and Chlorine maximum 5.

JCOTHOL ASD



JCOTHOL ASD
JCOBASE Orange GC
JCOTHOL 3 g/L | JCOBASE 1.7 g/L
Light 4–5 Washing 3 Chlorine 4–5



JCOTHOL ASD
JCOBASE Scarlet G
JCOTHOL 3 g/L | JCOBASE 1.5 g/L
Light 3 Washing 3–4 Chlorine 4–5



JCOTHOL ASD
JCOBASE Scarlet RC
JCOTHOL 3 g/L | JCOBASE 2.3 g/L
Light 3 Washing 3 Chlorine 4–5



JCOTHOL ASD
JCOBASE Red RC
JCOTHOL 3 g/L | JCOBASE 2.0 g/L
Light 5 Washing 3 Chlorine 5

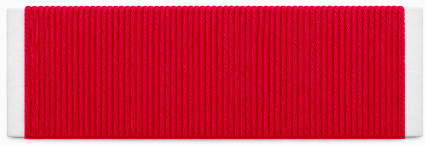


JCOTHOL ASD
JCOBASE Bordeaux GP
JCOTHOL 3 g/L | JCOBASE 1.8 g/L
Light 5 Washing 3 Chlorine 5



JCOTHOL ASD
JCOBASE Blue BB
JCOTHOL 1.5 g/L | JCOBASE 1.0 g/L
Light 3 Washing 4 Chlorine 4

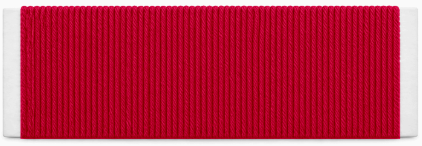
JCOTHOL ASE



JCOTHOL ASE
JCOBASE Scarlet G
JCOTHOL 4.5 g/L | JCOBASE 1.5 g/L
Light 3 Washing 4 Chlorine 4



JCOTHOL ASE
JCOBASE Red KB
JCOTHOL 4.5 g/L | JCOBASE 2.0 g/L
Light 3–4 Washing 4 Chlorine 4–5



JCOTHOL ASE
JCOBASE Scarlet RC
JCOTHOL 4.5 g/L | JCOBASE 2.3 g/L
Light 4 Washing 2 Chlorine 4



JCOTHOL ASE
JCOBASE Garnet GBC
JCOTHOL 4.5 g/L | JCOBASE 2.8 g/L
Light 5 Washing 4–5 Chlorine 4–5



JCOTHOL ASE
JCOBASE Violet B
JCOTHOL 2.25 g/L | JCOBASE 2.0 g/L
Light 4 Washing 5 Chlorine 5



JCOTHOL ASE
JCOBASE Blue BB
JCOTHOL 2.25 g/L | JCOBASE 2.4 g/L
Light 4–5 Washing 5 Chlorine 4

Reference conditions: unmercerised 2 × 40s cotton yarn, liquor ratio 20:1. Shades are indicative; appearance may vary with substrate, application conditions and reproduction. Ratings belong to the complete pairing and stated doses.

JCOTHOL Product Profiles

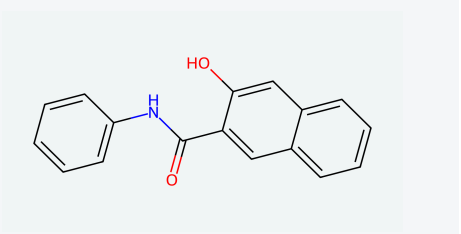
01–02 • Coupling components

N01 JCOTHOL AS

CAS 92-77-3

$C_{17}H_{13}NO_2$ | 263.29 g/mol

3-hydroxy-N-phenylnaphthalene-2-carboxamide



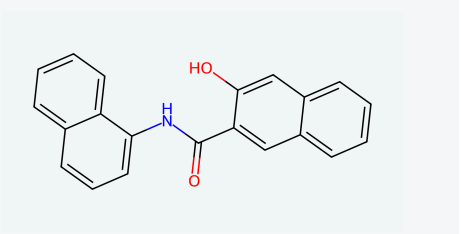
Melting point	247°C
Appearance	White powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	1.311 g/cm³ (estimated)
Boiling point	391.8 °C at 760 mmHg (estimated)
Flash point	190.7 °C (estimated)
End use	Pigment and textile

N02 JCOTHOL ASBO

CAS 132-68-3

$C_{21}H_{15}NO_2$ | 313.35 g/mol

3-hydroxy-N-naphthalen-1-ylnaphthalene-2-carboxamide



Melting point	222 - 223°C
Appearance	Creamish powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	1.333 g/cm³ (estimated)
Boiling point	479.3 °C at 760 mmHg (estimated)
Flash point	No verified published value
End use	Textile

*Purity values describe published reference grades, not a batch guarantee. Estimated or predicted properties are labelled. Unreported values have not been substituted. Current product specification and batch COA govern supply.

JCOTHOL Product Profiles

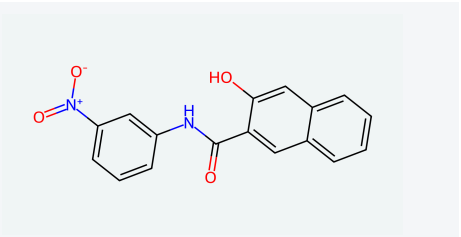
03–04 • Coupling components

N03 JCOTHOL ASBS

CAS 135-65-9

$C_{17}H_{12}N_2O_4$ | 308.2882 g/mol

3-hydroxy-N-(3-nitrophenyl)naphthalene-2-carboxamide



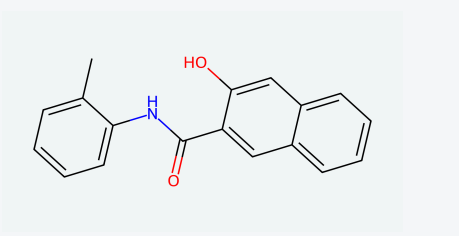
Melting point	246-247°C
Appearance	Bright Yellow powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	No verified published value
Boiling point	No verified published value
Flash point	No verified published value
End use	Textile and pigment

N04 JCOTHOL ASD

CAS 135-61-5

$C_{18}H_{15}NO_2$ | 277.3172 g/mol

3-hydroxy-N-(2-methylphenyl)naphthalene-2-carboxamide



Melting point	195-196°C
Appearance	Creamish powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	1.277 g/cm³ (estimated)
Boiling point	399.7 °C at 760 mmHg (estimated)
Flash point	195.5 °C (estimated)
End use	Pigment, rapid and textile

*Purity values describe published reference grades, not a batch guarantee. Estimated or predicted properties are labelled. Unreported values have not been substituted. Current product specification and batch COA govern supply.

JCOTHOL Product Profiles

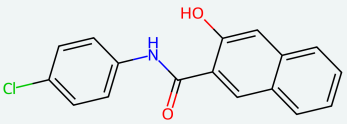
05–06 • Coupling components

N05 JCOTHOL ASE

CAS 92-78-4

$C_{17}H_{12}ClNO_2$ | 297.74 g/mol

N-(4-chlorophenyl)-3-hydroxynaphthalene-2-carboxamide



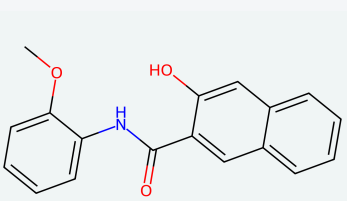
Melting point	257°C
Appearance	White powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	1.399 g/cm³ (estimated)
Boiling point	416.5 °C at 760 mmHg (estimated)
Flash point	205.7 °C (estimated)
End use	Pigment and textile

N06 JCOTHOL ASOL

CAS 135-62-6

$C_{18}H_{15}NO_3$ | 293.32 g/mol

3-hydroxy-N-(2-methoxyphenyl)naphthalene-2-carboxamide



Melting point	165°C
Appearance	Creamish powder
Purity*	98.00%
Solubility	Soluble in alkaline water
Moisture	< 0.15 %
Density	1.304 g/cm³ (estimated)
Boiling point	424.1 °C at 760 mmHg (estimated)
Flash point	210.3 °C (estimated)
End use	Pigment, rapid and textile

*Purity values describe published reference grades, not a batch guarantee. Estimated or predicted properties are labelled. Unreported values have not been substituted. Current product specification and batch COA govern supply.

JCOTHOL Product Profiles

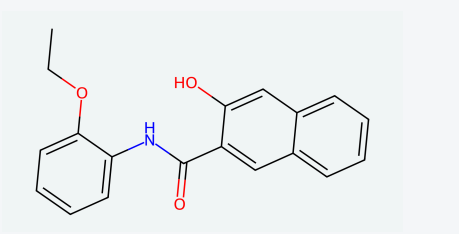
07–08 • Coupling components

N07 JCOTHOL ASPH

CAS 92-74-0

$C_{19}H_{17}NO_3$ | 307.34 g/mol

N-(2-ethoxyphenyl)-3-hydroxynaphthalene-2-carboxamide



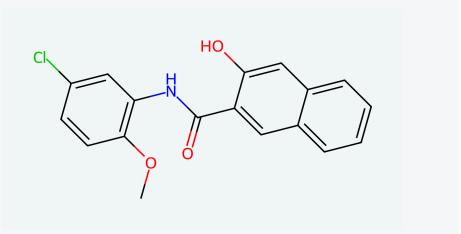
Melting point	157-158°C
Appearance	Creamish-white to pale brown powder
Purity*	≥ 98.0% (reference grade)
Solubility	Prepared in alkaline medium for azoic dyeing
Moisture	No published test limit
Density	1.273 g/cm³ (estimated)
Boiling point	436.2 °C at 760 mmHg (estimated)
Flash point	217.6 °C (estimated)
End use	Azoic textile colouration; pigment intermediates

N08 JCOTHOL ASCL

CAS 137-52-0

$C_{18}H_{14}ClNO_3$ | 327.76 g/mol

N-(5-chloro-2-methoxyphenyl)-3-hydroxynaphthalene-2-carboxamide



Melting point	≥ 214 °C (reference grade)
Appearance	White to off-white powder
Purity*	≥ 98.0% (reference grade)
Solubility	No verified published value
Moisture	No published test limit
Density	Approximately 1.4 g/cm³ (predicted)
Boiling point	Approximately 446.3 °C at 760 mmHg (predicted)
Flash point	No verified published value
End use	Azoic textile colouration; pigment intermediates

JCOTHOL Product Profiles

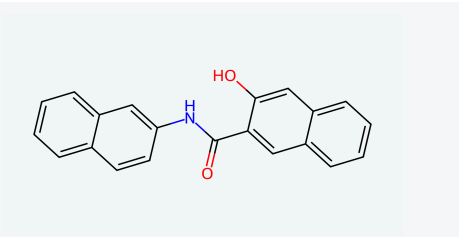
09–10 • Coupling components

N09 JCOTHOL ASSW

CAS 135-64-8

$C_{21}H_{15}NO_2$ | 313.3 g/mol

3-hydroxy-N-naphthalen-2-ylnaphthalene-2-carboxamide



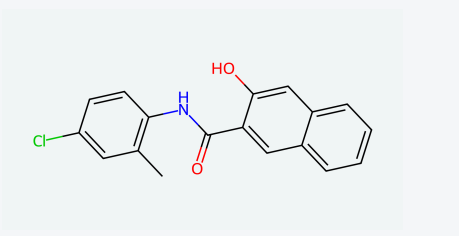
Melting point	243–244 °C (reference value)
Appearance	Light yellow to brown powder or crystals
Purity*	> 97.0% (HPLC / titration reference grade)
Solubility	Prepared in alkaline medium for azoic dyeing
Moisture	No published test limit
Density	No verified published value
Boiling point	479.3 °C at 760 mmHg (estimated)
Flash point	243.6 °C (estimated)
End use	Azoic textile colouration; pigment intermediates

N10 JCOTHOL ASTR

CAS 92-76-2

$C_{18}H_{14}ClNO_2$ | 311.8 g/mol

N-(4-chloro-2-methylphenyl)-3-hydroxynaphthalene-2-carboxamide



Melting point	No verified published value
Appearance	White to off-white powder
Purity*	≥ 99.0% (HPLC reference grade)
Solubility	Soluble in DMSO; alkaline dyeing preparation
Moisture	No published test limit
Density	No verified published value
Boiling point	No verified published value
Flash point	No verified published value
End use	Azoic textile colouration

*Purity values describe published reference grades, not a batch guarantee. Estimated or predicted properties are labelled. Unreported values have not been substituted. Current product specification and batch COA govern supply.

JCOTHOL Product Profiles

11 • Coupling components

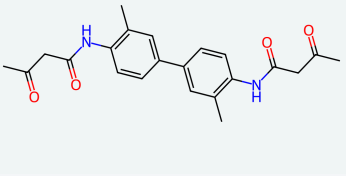
N11 JCOTHOL ASG

CAS 91-96-3

$C_{22}H_{24}N_2O_4$ | 380.44 g/mol

N-[2-methyl-4-[3-methyl-4-(3-oxobutanoylamino)phenyl]phenyl]-3-oxobutanamide

Azoic Coupling Component 5 | C.I. 37610



Melting point	Approximately 200 °C
Appearance	White to off-white powder
Purity*	96.0% (technical reference grade)
Solubility	Soluble in alkaline medium
Moisture	No published test limit
Density	1.212 g/cm³ (estimated)
Boiling point	612.6 °C at 760 mmHg (estimated)
Flash point	199.9 °C (estimated)
End use	Textile and pigment

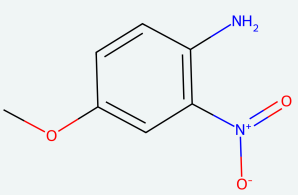
*Purity values describe published reference grades, not a batch guarantee. Estimated or predicted properties are labelled. Unreported values have not been substituted. Current product specification and batch COA govern supply.

FAST JCOBASE Directory

B01–B05 • Parent molecules and Colour Index references

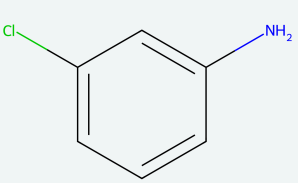
B01 FAST JCOBASE Bordeaux GP

Azoic Diazo Component 1 | C.I. 37135
CAS 96-96-8
$C_7H_8N_2O_3$ | 168.15 g/mol
4-methoxy-2-nitroaniline



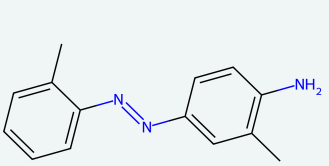
B02 FAST JCOBASE Orange GC

Azoic Diazo Component 2 | C.I. 37005
CAS 108-42-9
C_6H_6ClN | 127.57 g/mol
3-chloroaniline



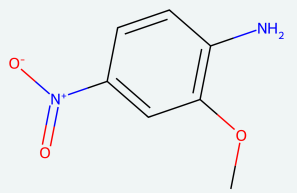
B03 FAST JCOBASE Garnet GBC

Azoic Diazo Component 4 | C.I. 37210
CAS 97-56-3
$C_{14}H_{15}N_3$ | 225.29 g/mol
2-methyl-4-[(2-methylphenyl)diazenyl]aniline



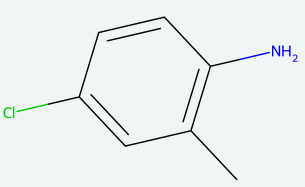
B04 FAST JCOBASE Red B

Azoic Diazo Component 5 | C.I. 37125
CAS 97-52-9
$C_7H_8N_2O_3$ | 168.15 g/mol
2-methoxy-4-nitroaniline



B05 FAST JCOBASE Red TR

Azoic Diazo Component 11 | C.I. 37085
CAS 95-69-2
C_7H_8ClN | 141.60 g/mol
4-chloro-2-methylaniline



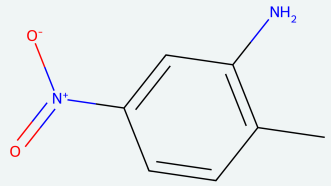
Diagrams show parent reference molecules. Commercial salts, hydrochlorides and stabilised grades can differ. Scarlet GG and GGS remain distinct trade grades with the same component reference.

FAST JCOBASE Directory

B06–B10 • Parent molecules and Colour Index references

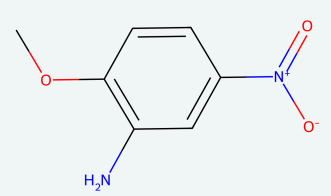
B06 FAST JCOBASE Scarlet G

Azoic Diazo Component 12 | C.I. 37105
CAS 99-55-8
$C_7H_8N_2O_2$ | 152.15 g/mol
2-methyl-5-nitroaniline



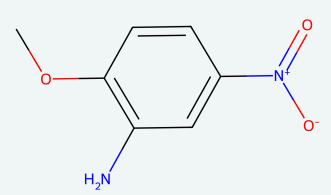
B07 FAST JCOBASE Scarlet R

Azoic Diazo Component 13 | C.I. 37130
CAS 99-59-2
$C_7H_8N_2O_3$ | 168.15 g/mol
2-methoxy-5-nitroaniline



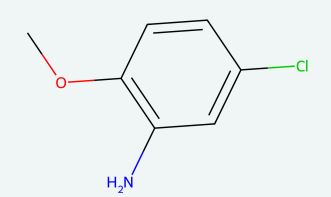
B08 FAST JCOBASE Scarlet RC

Azoic Diazo Component 13 | C.I. 37130
CAS 99-59-2
$C_7H_8N_2O_3$ | 168.15 g/mol
2-methoxy-5-nitroaniline



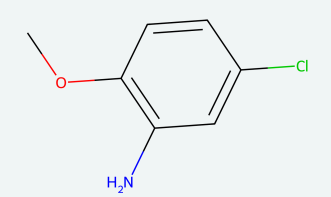
B09 FAST JCOBASE Red R

Azoic Diazo Component 10 | C.I. 37120
CAS 95-03-4
C_7H_8ClNO | 157.60 g/mol
5-chloro-2-methoxyaniline



B10 FAST JCOBASE Red RC

Azoic Diazo Component 10 | C.I. 37120
CAS 95-03-4
C_7H_8ClNO | 157.60 g/mol
5-chloro-2-methoxyaniline



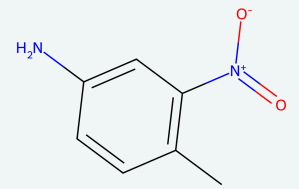
Diagrams show parent reference molecules. Commercial salts, hydrochlorides and stabilised grades can differ. Scarlet GG and GGS remain distinct trade grades with the same component reference.

FAST JCOBASE Directory

B11–B15 • Parent molecules and Colour Index references

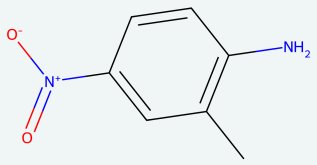
B11 FAST JCOBASE MNPT

Colour Index designation available with the supplied-grade specification.
CAS 119-32-4
$C_7H_8N_2O_2$ | 152.15 g/mol
4-methyl-3-nitroaniline



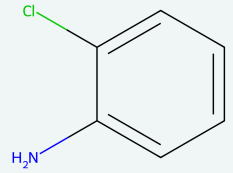
B12 FAST JCOBASE Red RL

Azoic Diazo Component 34 | C.I. 37100
CAS 99-52-5
$C_7H_8N_2O_2$ | 152.15 g/mol
2-methyl-4-nitroaniline



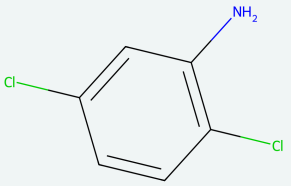
B13 FAST JCOBASE Yellow GC

Azoic Diazo Component 44 | C.I. 37000
CAS 95-51-2
C_6H_6ClN | 127.57 g/mol
2-chloroaniline



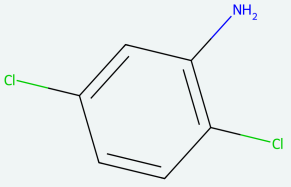
B14 FAST JCOBASE Scarlet GG

Azoic Diazo Component 3 | C.I. 37010
CAS 95-82-9
$C_6H_5Cl_2N$ | 162.01 g/mol
2,5-dichloroaniline



B15 FAST JCOBASE Scarlet GGS

Azoic Diazo Component 3 | C.I. 37010
CAS 95-82-9
$C_6H_5Cl_2N$ | 162.01 g/mol
2,5-dichloroaniline



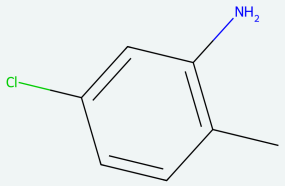
Diagrams show parent reference molecules. Commercial salts, hydrochlorides and stabilised grades can differ. Scarlet GG and GGS remain distinct trade grades with the same component reference.

FAST JCOBASE Directory

B16–B20 • Parent molecules and Colour Index references

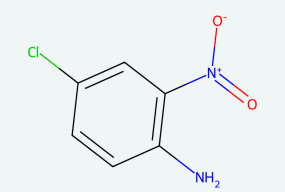
B16 FAST JCOBASE Red KB

Azoic Diazo Component 32 | C.I. 37090
CAS 95-79-4
C_7H_8ClN | 141.60 g/mol
5-chloro-2-methylaniline



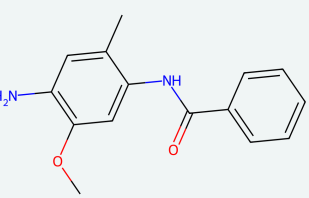
B17 FAST JCOBASE Red 3GL

Azoic Diazo Component 9 | C.I. 37040
CAS 89-63-4
$C_6H_5ClN_2O_2$ | 172.57 g/mol
4-chloro-2-nitroaniline



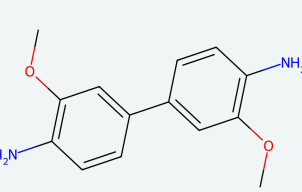
B18 FAST JCOBASE Violet B

Azoic Diazo Component 41 | C.I. 37165
CAS 99-21-8
$C_{15}H_{16}N_2O_2$ | 256.30 g/mol
N-(4-amino-5-methoxy-2-methylphenyl)benzamide



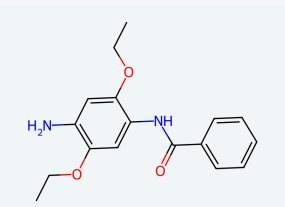
B19 FAST JCOBASE Blue B

Azoic Diazo Component 48 | C.I. 37235
CAS 119-90-4
$C_{14}H_{16}N_2O_2$ | 244.29 g/mol
4-(4-amino-3-methoxyphenyl)-2-methoxyaniline



B20 FAST JCOBASE Blue BB

Azoic Diazo Component 20 | C.I. 37175
CAS 120-00-3
$C_{17}H_{20}N_2O_3$ | 300.35 g/mol
N-(4-amino-2,5-diethoxyphenyl)benzamide



Diagrams show parent reference molecules. Commercial salts, hydrochlorides and stabilised grades can differ. Scarlet GG and GGS remain distinct trade grades with the same component reference.

FAST JCOBASE Directory

B21–B22 • Parent molecules and Colour Index references

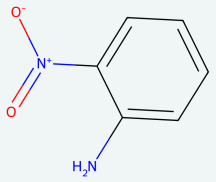
B21 FAST JCOBASE Orange GR

Azoic Diazo Component 6 | C.I. 37025

CAS 88-74-4

$C_6H_6N_2O_2$ | 138.12 g/mol

2-nitroaniline



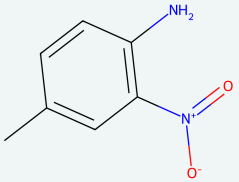
B22 FAST JCOBASE Red GL

Azoic Diazo Component 8 | C.I. 37110

CAS 89-62-3

$C_7H_8N_2O_2$ | 152.15 g/mol

4-methyl-2-nitroaniline



Diagrams show parent reference molecules. Commercial salts, hydrochlorides and stabilised grades can differ. Scarlet GG and GGS remain distinct trade grades with the same component reference.

FAST JCOSALTS Product Index

Developing components for azoic dyeing and printing on yarns and fabrics

FAST JCOSALTS provide a diazo developing component for coupling with the selected JCOTHOL. Use the complete grade designation when matching a shade or placing an enquiry.

Ref.	Product	Azoic Diazo Component	C.I. number
S01	FAST JCOSALTS Yellow GC	44	37000
S02	FAST JCOSALTS Orange GC	2	37005
S03	FAST JCOSALTS Scarlet R	13	37130
S04	FAST JCOSALTS Scarlet GG	3	37010
S05	FAST JCOSALTS Bordeaux GP	1	37135
S06	FAST JCOSALTS Red B	5	37125
S07	FAST JCOSALTS Red RC	10	37120
S08	FAST JCOSALTS Red 3GL	9	37040
S09	FAST JCOSALTS Blue B	48	37235
S10	FAST JCOSALTS Blue BB	20	37175
S11	FAST JCOSALTS Black K	38	37190
S12	FAST JCOSALTS Black B	109	37245
S13	FAST JCOSALTS Corianth V	39	37220
S14	FAST JCOSALTS Red TR	11	37085
S15	FAST JCOSALTS Scarlet RC	13	37130

Choose the Exact FAST JCOSALTS Grade

A product name or Colour Index reference alone does not specify the stabilising salt, counterion or complete formulation. Confirm the exact supplied form and grade documentation when selecting a salt.

The final hue and performance belong to the full JCOTHOL–diazo combination and its application conditions.

Preparing the JCOTHOL Bath

Reference process for cotton yarn

These cotton yarn reference recipes are organised by process stage, with quantities per 1 kg of component at the stated chemical strengths. JCOFAST also serves fabric applications; establish the fabric application route and conditions for the actual substrate and supplied grade.

01 Dissolve the JCOTHOL

Hot method: paste the JCOTHOL with Turkey Red Oil (TRO) and a little hot water, disperse with boiling water, then add caustic soda. If the solution is not clear, continue boiling until clear. For ASSW and ASG, paste with TRO, caustic soda and warm water, then dissolve by adding boiling water.

JCOTHOL	TRO kg	Caustic soda 70°Tw L	Boiling water L	Formalin 40% L
AS / ASD	0.5	1.5	15	1.0
ASBO	0.5	0.5	20	1.0
ASBS	0.5	1.5	15	1.0
ASE	0.5	1.5	20	0.65
ASG	0.5	1.5	15	—
ASOL	0.5	1.5	15	0.5
ASSW	0.5	3.2	40	0.5
ASTR	0.5	2.0	40	0.5

— = omitted in this route. Do not add formalin to the ASG preparation.

Per 1 kg JCOTHOL. Formalin is optional in the reference to protect the dyeing from air exposure; omit it if goods are dried before development, and for ASG. A dash means no addition is stated.

Cold method: the reference describes pasting with methylated spirit and dissolving in caustic soda at ambient temperature. It notes that this route is used less because of cost.

02 Impregnate and Squeeze the Yarn

Maintain caustic soda in the impregnation bath at 4–8 cc/L of 70°Tw solution for pale to deep shades. For ASG use 2.5–6.5 cc/L. Common salt or calcined Glauber's salt is recommended at 15 g/L for ASG, 10 g/L for ASSW and 20 g/L for other JCOTHOL to improve yield and rubbing fastness.

After impregnation, squeeze the yarn thoroughly before entering the developing bath. The colour forms in the fibre when the JCOTHOL meets the selected diazo developing component.

FAST JCOBASE Preparation

Chemical quantities per 1 kg FAST JCOBASE

The tables distinguish ordinary FAST JCOBASE and water-soluble-grade recipes. Hot and cold water, acid strengths and addition sequence must be read with the process route; the same trade name may be supplied in different forms.

Ordinary FAST JCOBASE Grades

FAST JCOBASE	Hot water L	HCl 32°Tw L	Cold water L	Sodium nitrite kg	Sodium acetate kg	Acetic acid 50% L
Yellow GC	5	1.2	15	0.5	2.0	0.76
Orange GC	5	1.2	15	0.5	1.0	0.75
Scarlet G	10	2.0	15	0.5	1.0	0.74
Scarlet GG	5.5	3.6	—	0.6	3.8	—
Scarlet GGS	—	2.0	7	0.4	2.5	—
Scarlet R	15	2.0	10	0.8	1.5	1.0
Scarlet RC	—	1.0	20	0.4	0.8	0.5
Red TR	—	1.0	20	0.4	0.8	0.2
Red R	—	2.0	27	1.0	1.5	0.5
Red RC	—	1.0	14	0.5	0.8	0.3
Red KB	10	1.0	13	0.4	0.8	0.6
Garnet GBC	2	1.2	15	0.3	1.3	—

— = no quantity specified for this preparation route; do not substitute a value from another route.

Water Soluble Grades

FAST JCOBASE	Hot water L	HCl 32°Tw L	Cold water L	Sodium nitrite kg	Sodium acetate kg	Acetic acid 50% L
Orange GR	—	2.2	30	0.55	1.2	0.7
Red B	1.5	1.8	20	0.5	0.9	0.8
Red 3GL	4.0	1.8	30	0.45	1.0	0.6
Bordeaux GP	2.0	0.9	20	0.5	0.9	0.8

— = no quantity specified for this preparation route; do not substitute a value from another route.

A dash reproduces an unstated quantity, not a zero. °Tw denotes the stated Twaddell solution strength. These historical reference formulations are not interchangeable with acids or alkalis of another concentration.

Special Routes and Aftertreatment

Read each preparation as a complete sequence

FAST JCOBASE Red GL

Paste 1 kg FAST JCOBASE with hot water and 0.5 kg sodium nitrite. Once the nitrite dissolves, add 20 L cold water at 15°C containing 2 L HCl 32°Tw. Hold for 30 minutes, dilute to 40 L with cold water and neutralise with a mixture containing 0.4 kg soda ash and 1.7 kg aluminium sulphate. Finally adjust to neutral pH.

FAST JCOBASE Blue B

Dissolve 1 kg FAST JCOBASE in 15 L boiling water containing 2.5 L HCl 32°Tw. Add 5 L cold water and cool to 10°C. Add 0.65 kg sodium nitrite with vigorous stirring. Hold for 20 minutes, then neutralise with 0.25 kg sodium bicarbonate dissolved in water. Finally add a further 0.5 kg sodium bicarbonate dissolved in cold water.

FAST JCOBASE Blue BB

Paste 1 kg FAST JCOBASE with 20 L cold water containing 1 L HCl 32°Tw. Cool, then add 0.25 kg sodium nitrite dissolved in cold water with vigorous stirring. After 20 minutes, neutralise with 0.5 kg sodium acetate dissolved in water. Add 10 g/L sodium acetate to the dyebath.

FAST JCOBASE Violet B

Paste 1 kg FAST JCOBASE with 2.5 L hot water and 0.3 kg sodium nitrite, then add 1.15 L HCl 32°Tw in 15 L cold water with vigorous stirring. Stand for 20 minutes and neutralise with 0.55 kg sodium acetate dissolved in cold water. Add 10 g/L sodium acetate to the dyebath.

Developing Bath Additions

Use 15–25 g/L common salt to reduce premature loss of JCOTHOL from the fibre. Omit this addition for Garnet GBC combinations, with a further exception for certain ASG grades; confirm applicability to the supplied grade. Use 2 mL/L acetic acid to prevent dull or uneven shades; confirm the required acid concentration before use.

FAST JCOSALTS Preparation

Store FAST JCOSALTS in a cool, dry place away from light; heat and moisture can cause decomposition. Paste with a little water, then add more water while maintaining 30°C. For FAST JCOSALTS Red B, sprinkle powder slowly onto water while stirring, hold 5–10 minutes and filter through fine muslin.

Rinse and Soap the Yarn

After development, rinse thoroughly in water. Soap at the boil for 30 minutes with 2 g/L soap and 2 g/L soda ash, then rinse thoroughly in hot and cold water.

Shade specimens and fastness figures are reference indications without guarantee. Actual results depend on the substrate, component grades, bath conditions and finishing. Confirm the current grade documentation and trial the complete combination.

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