

## Illustration on wool


**Characteristics**

|                |                      |
|----------------|----------------------|
| C. I.          | Acid Red 183         |
| C. I. No.      | 18800                |
| CAS No.        | 6408-31-7            |
| Chemical class | Metal complex azodye |

**Properties**

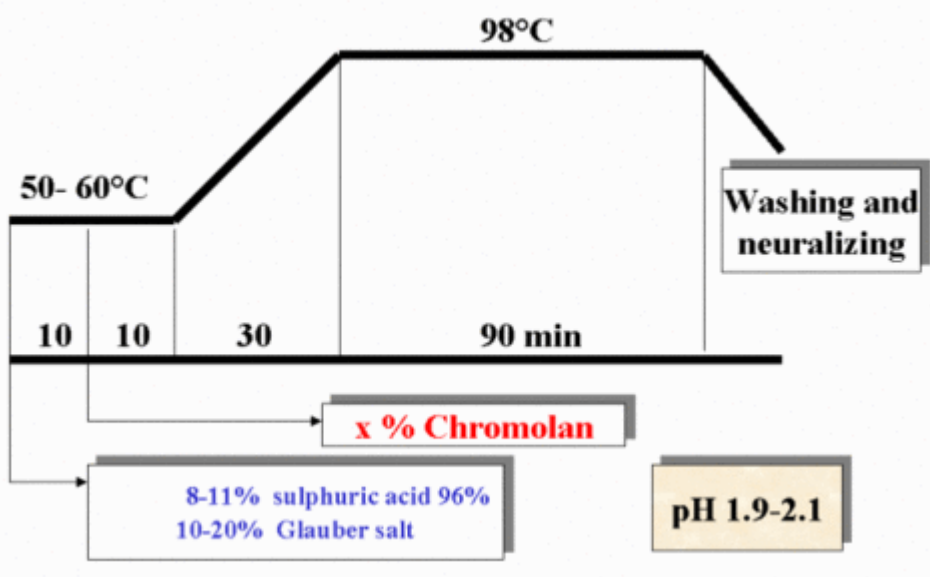
|                          |     |
|--------------------------|-----|
| Solubility (g/l at 90°C) | 45  |
| Levelling                | 3-4 |

**Fastness**

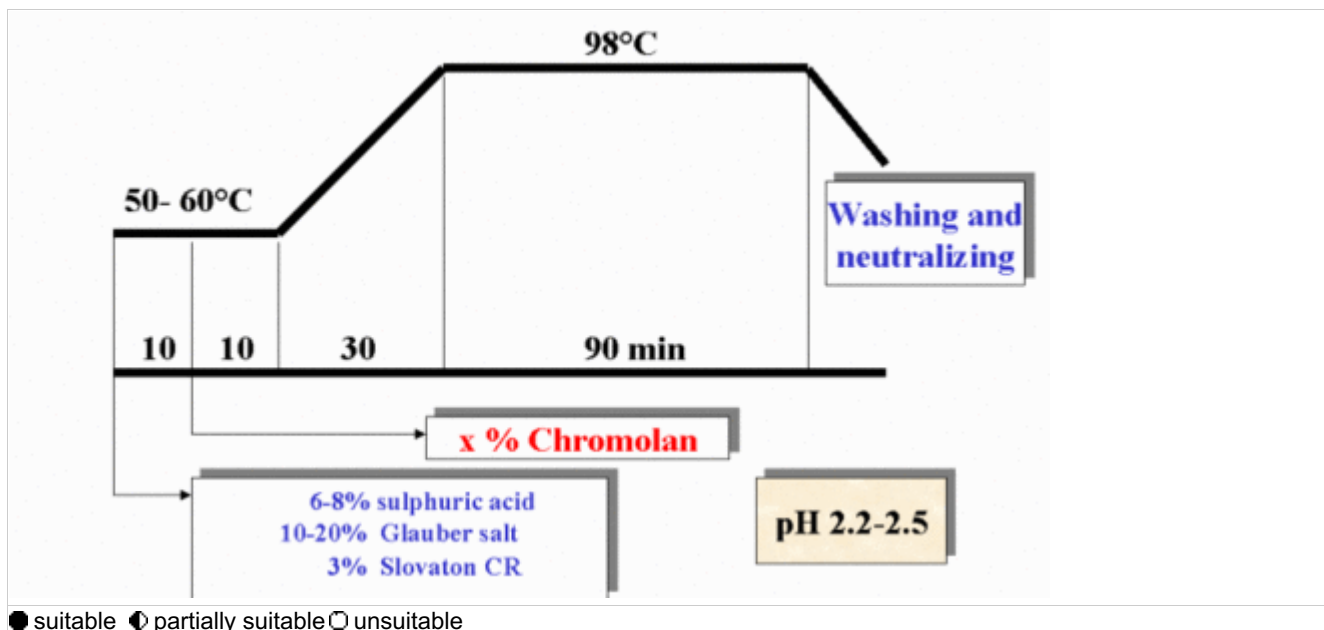
|                              | wool |     |     |     |     |
|------------------------------|------|-----|-----|-----|-----|
| <i>standard depth</i>        | 1/12 | 1/6 | 1/3 | 1/1 | 2/1 |
| Daylight                     | 4-5  | 5   | 5-6 | 6-7 | 7   |
| Light Xenotest               | 5    | 5-6 | 6   | 6-7 | 7   |
| <i>standard depth</i>        | 1/1  |     |     |     |     |
| Water                        | 4    | 4   | 4   | 4-5 |     |
| Washing 60°C                 | 3    | 4-5 | 4   | 4   |     |
| Perspiration acid            | 3-4  | 4   | 4   | 4-5 |     |
| Perspiration alkaline        | 3-4  | 4   | 4   | 4   |     |
| Sea water                    | 3-4Y | 4   | 4   | 4   |     |
| Hot pressing wet after 4 h   | 4-5  |     |     | 4-5 |     |
| Rubbing dry                  |      |     |     | 4-5 |     |
| Milling alkaline <i>mild</i> | 4    | 4-5 | 4   | 4-5 |     |
| Carbonizing                  | 4    | 4   |     |     |     |
| Decatizing                   | 4    |     |     |     |     |
| Dry cleaning                 | 4    |     |     |     |     |

**Application possibilities**

Exhaustion dyeing I ●



Exhaustion dyeing II ●



#### Testing methods

## Solubility

The figures express solubility of dye in grams of dissolved dye in one liter distilled water at 90°C

## Levelling

The given figures mean:

5 - excellent levelling

4 - very good levelling

3 - good levelling

2 - lower levelling

1 - npoor levelling

## Fastness standards

Daylight ISO 105-B01-1994

Light Xenotest ISO 105-B02-1994

Water ISO 105-E01-1994

Washing ISO 105-C03-1989

Perspiration ISO 105-E04-1994

Sea water ISO 105-E02-1994

Ironing ISO 105-X11-1994

Rubbing ISO 105-X12-1987

Milling DIN 54 040

Carbonizing ISO 105-X02-1993

Decatizing ISO 105-E10-1994

Dry cleaning ISO 105-D01-1993

The fastness figures in the tables show:

fastness to light other fastness

1 - very poor 1 - poor

2 - poor 2 - moderate

3 - moderate 3 - fairly good

4 - fairly good 4 - good

5 - good 5 - very good

6 - very good

7 - excellent

8 - unsurpassed

The individual values at fastness data mean:

first number - change of shade

second number - staining on undyed adjacent woolen material

third number - staining on undyed adjacent cotton material

The figures at carbonizing mean:

first number - change of shade before neutralizing

second number - change of shade after neutralizing