



Cryltex PWD

1) Product Description

Cryltex PWD is a specific auxiliary product to impart permanent dimensional stability to knitted and woven wool fabrics, raw or dyed with high fastness dyes (reactive, chrome) without change the natural characteristics of the fibre. The treatment, suitable by continuous or discontinuous application methods, confers, also, significantly anti-pilling properties, a "special soft handle" and improves the dyeing affinity.

Cryltex PWD improves a right re-arrangement to structure of the protein-fibre, working on the cystinic bridges of the polypeptidic – chains.

This " new fixation" gives to the fibre a permanent dimensional stability, without changing the natural characteristics of the wool.

The "**Cryltex PWD** treatment" confers to the treated articles the following characteristics

2) Properties

Appearance	Colorless, light yellow liquid
Chemical nature	Organic stabilized compound
pH	6,5 – 7,5 (10% in water)
Ionic nature	Without ionic charge
Solubility	Easily dilutable in all ratio
Compatibility	Good with anionic and not ionic wetting and detergent agents. With other products preliminary laboratory test are suggested
Storage stability	12 months. The product should be stored in a dry area at temperature between 5°C and 40°C and far away from heat

3) Application

The "**Cryltex PWD** treatment" is suitable by continuous or discontinuous application methods

3.1) Discontinuous Treatments

3.1.1) A.1 Padding treatment

The treatment is suitable for raw and dyed fabrics

3.1.2) A.1a Raw fabrics

20 – 40 g/l **Cryltex PWD**

3.1.3) 2 – 4 g/l Rapidol JLF Premium





- 3.1.4) Impregnation at 60 - 80°C with 75 - 80% Pick-up
- 3.1.5) Drying at 120 - 130°C and, then, wash with cold water

Note: Avoid long storage time of unwashed goods. During drying avoid fabric tensions and unevenness

3.2) Washed fabrics

- 3.2.1) Padding impregnation (wet on wet) at 60 - 80°C with
- 3.2.2) 40 – 80 g/l **Cryltex PWD**
- 3.2.3) 3 - 8g/l Rapidol JLF Premium
- 3.2.4) Drying at 120 - 130°C and, then, wash with cold water

Note: Avoid long storage time of unwashed goods. During drying avoid fabric tensions and unevenness

3.3) Dyed fabrics

- 3.3.1) 15 – 30 g/l **Cryltex PWD**
- 3.3.2) 1 - 3g/l Rapidol JLF Premium
- 3.3.3) Padding cold impregnation with 75 - 80% Pick-up
- 3.3.4) Drying at 120°C

Storage on “roll” at room temperature for 8 – 10 hours or atomization with water. Important! All the padding treatments with **Cryltex PWD** should be always followed by a discontinuous Decatizing with steam for 5 minutes or by a combined treatment "Steaming- continuous Decatizing" (by condenser). During Decatizing the fabric does not have tension.

3.4) Treatment on Discontinuous Fixing machinery Prepare last bath with

- 3.4.1) 20 – 40 g/l **Cryltex PWD**
- 3.4.2) 1 - 2g/l Rapidol JLF Premium
- 3.4.3) Introduce the fabric and treat for 15 - 20 minutes at 90 - 95° **Cryltex PWD** presents a full, regular and substantive adsorption) .
At the end of treatment make thermal shock with cold water
Open-width suction and, then, drying in rameuse at 120-130°C without tension.

4) Appearance

- 4.1) Regular and smooth surface
- 4.2) No smell in the substrate
- 4.3) Brightness (by final mechanical processes)
- 4.4) Prevention of formation of creases and “curls”





5) Handle

Optimization of softness degree

6) Dyeing

Improvement of the dyeing affinity

7) Stability

- 7.1) Permanent dimensional stability of woven and knitted fabrics
- 7.2) Confers antifelting properties
- 7.3) Gives stability to steaming and confection operations
- 7.4) Improved stability of yarn twist

8) Safe use and handling

Good hygienic and industrial practices should be followed and, when employed as recommended, **Cryltex PWD** will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

The information herein is, to the best of our knowledge, correct and complete. It is based not only on the work in our laboratory but also on the reported results of other workers in this field. It is offered without guarantee of specific properties and no patent liability is assumed. No liability can be accepted for any loss, injury or damage resulting from its use.

