

Greener Technology.
Superior Results.
Higher Profits.

ProDet C

Soaping Agent
For Excellent Fastness




ProAvita ProDet C, globally, is the only one of its kind Probiotic Soaping Agent for dyed cotton / cellulose / viscose / blend fibre, yarn and fabric that offers several value adds across various processes. It is readily biodegradable and is not enzyme based. It offers tremendous flexibility in application as it can be applied for a wide range in pH and temperature. It delivers excellent fastness across various critical shades including Black, matching tough international norms. Besides it boosts profits by reducing operating costs. It does not contain phosphates or alkalis and hence dyed fabrics show better depth and brightness of colours. ProAvita ProDet C is Oeko-Tex (Class-I), GOTS 5.0 & REACH compliant and ZDHC Gateway Registered.

www.proavita.com

ProAvita ProDet C pays for itself!



Green Technology
Globally first of its kind for textile soaping. Reduction in TDS/ COD & BOD upto 40%.



Low Temperature Single Soaping
For shades below 3.5% (except Turquoise), can be applied at 70°C itself



Saves Water
20% of total water (minimum 2 baths) (For Soft Flow Machines assuming MLR of 1:6)



Saves Energy & Time
20% of total energy and process time



Superior Fastness
Meets International Standards of wet rub even for critical shades.

Conventional Process



ProAvita ProDet C Process



These results are for 8% Black Shade

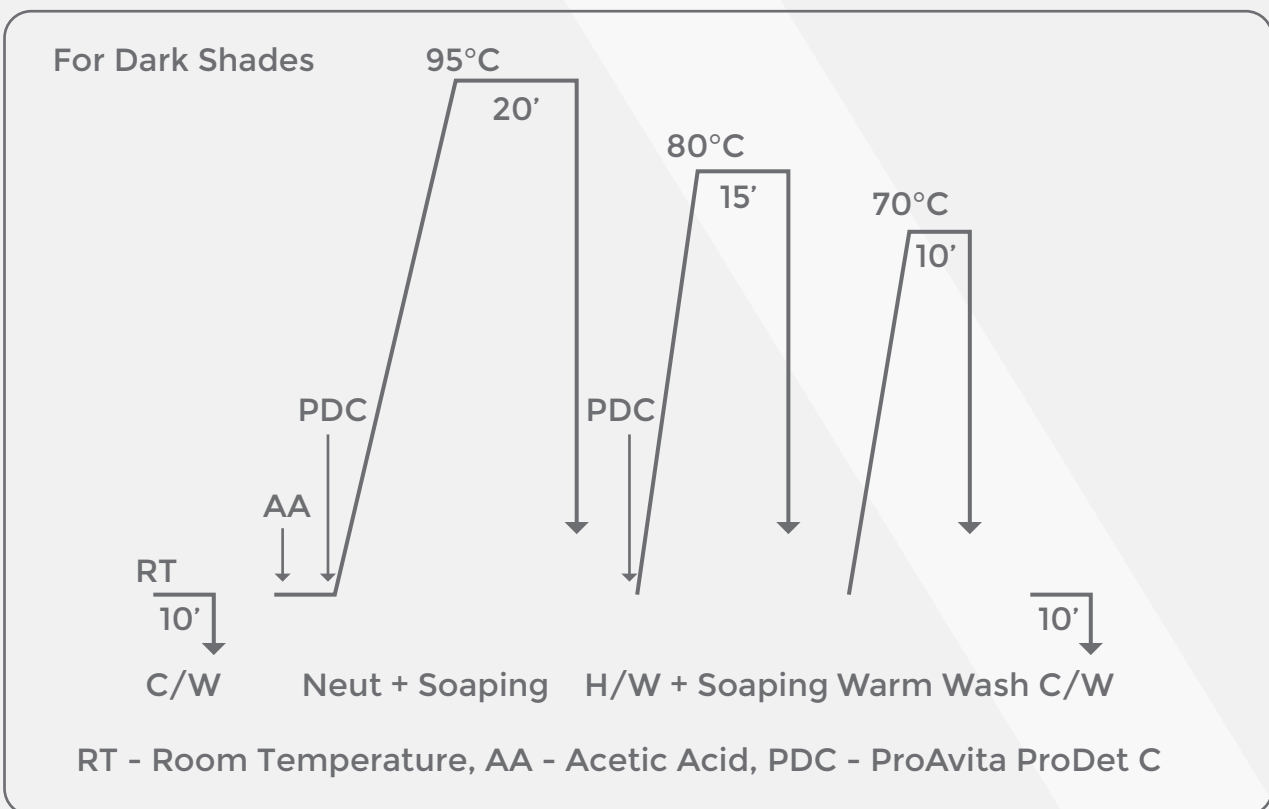
Savings for typical process for 1000kg load

Total Savings	Units Saved
20% of total water (minimum 2 baths) (For Soft Flow Machines assuming MLR of 1:6)	12,000 Its of water
Water saved in Rs. (Cost of ETP+L&T water = Rs.0.25/ltr)	INR 3,000/- (USD 46)
20% of energy and time	250 units of energy
Energy saved in Rs. (@ approx Rs. 7/unit)	INR 1,750/- (USD 27)

BOD / COD & TDS additional benefits

Bath No.	Process	For all colours upto 3.5% Depth except Turquoise	For all colours above 3.5% Depth and Turquoise (and similar critical colours)
1	Warm Wash over flow	60°C 10 mins	70°C 10 mins
		Drain the bath	Drain the bath
2	Neu. With AA + Add ProAvita ProDet C Soaping Agent	65°C 1 GPL/% 20 mins	95°C 1.5 GPL/% 20 mins
		Drain the bath	Drain the bath
3	Warm / Hot Wash	65°C 15 mins	80°C 0.5 GPL/% PDC 15 mins
		Drain the bath	Drain the bath
4	Warm Wash	NA	70°C 10 mins
5	Cold Wash	40°C 10 mins	40°C 10 mins
Summary		4 Baths 55 mins	5 Baths 65 mins

Recommended Dosage - GPL for 1:6 MLR & above and % for below 1:6 MLR



Benefits

- **Multiple Applications** - Soaping / Stain Removal / Anti-tinting
- Can be used across **both Exhaust and Continuous** Processes
- **Low Temperature Soaping** - For shades below 3.5 % (except Turquoise), ProAvita ProDet C can be applied at 70° C itself
- **Improves Fastness** - Delivers excellent wet rub fastness consistently even across difficult shades
- **Reduces Wash Cycles** - A Single Soap cycle is sufficient even in the case of dark shades and therefore the number of wash cycles is reduced. In addition, soaping can be done after neutralisation without draining the bath. This helps in further reducing the washing requirement
- **Better quality** - Good brightness and depth of colours due to superior dispersion property
- **Improves softness** in yarn and fabric
- **Reduces Pollution Load** - Real time data collected from the site of ProAvita ProDet C users have clearly established that effluent parameters such as BOD / COD, TDS etc., are seen to be lower by 15 to 20 % even with reduced water usage

Application

ProAvita ProDet C is applied at the rate of 0.5% - 1.5% (or GPL) in soaping in various processes such as Cheese Dyeing , Cabinet, Softflow, Continuous, Jigger etc.

Tech Specs

Physical Form	Liquid
Colour	Light Ivory to Dark Ivory*
Odour	Citrus
Operating Range	2.50 - 14.00 pH, 1°C to 140°C
Effective Substance	A consortium of biochemicals derived from Probiotics
Stability To Electrolytes	Stable to electrolytes used in textile operations
pH	2.7 < V < 3.5
Biodegradable	Readily Biodegradable
Storage	Store at room temperature; do not freeze
Safety Precautions	Non-hazardous, does not require any protective equipment for handling

Note: The data above is based on our current knowledge, experience and tests conducted. Processors are however requested to carry out their own tests.

*Minor variation in color could occur due to organic nature of the raw material used.