proavita
FUTURE OF TEXTILE PROCESSING

Excellent Booster For Enzymatic Desizing & Peroxide Bleaching

ProExcel DBC

Catalyst For Desizing & Bleaching

REACH COMPLIANT

GLOBAL ORGANIC TEXTILE STANDARD GOTS 5.0

NON-TOXIC BIODEGRADABLE

OEKO-TEX® ECO PASSPORT CERTIFIED

ZDHC GATEWAY REGISTERED

ProAvita ProExcel DBC boosts the enzymatic desizing and peroxide bleaching of cellulose and its blends. Using this novel, non-toxic and biodegradable ProAvita ProExcel DBC results in significantly higher TEGEWA and better bleaching. It helps reduce BOD, COD and TDS loads in the effluent. ProAvita ProExcel DBC is Oeko-Tex (Class-I), GOTS 5.0 & REACH compliant and ZDHC Gateway Registered.

www.proavita.com

ProExcel DBC

Catalyst For Desizing & Bleaching

Benefits

- **Higher** TEGEWA rating
- **Boosts** enzyme activity for the selective degradation of starch sizes
- **Compatible** with enzymatic desizing agents (amylases)
- Suitable for exhaust and continuous pad-steam processes
- **Low foaming**, trouble-free running without addition of defoamer
- **Cost saving** and excellent reproducibility
- Applicable in **wide pH** range and temperature range
- Liquid, suitable for automatic dosing systems
- Saves time and energy
- Gives **highest** degree of whiteness
- Good hand feel
- **Reduces** the dosages of peroxide, caustic and stabilizer
- **Reduces** risk of deposits and scaling on goods and machine parts
- APEO & NPEO free

Tech Specs

Physical Form	Liquid
Colour	Light Brown to Dark Brown*
Odour	Sweet, Fermented
Ionic Character	Anionic - Amphoteric in nature when applied
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	2.5 < 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.

Application

Enzymatic Cracking on cellulosic fibers and their blends with synthetics, if size contains starch

Step-1 Exhaust Enzymatic Cracking (Exhaust Process)
0.5-1.0 gpl DESIZING ENZYME
0.2-0.6 gpl ProAvita ProExcel DBC
0.3-0.5 gpl WETTING AGENT

Step-2 Pad Batch Enzymatic Cracking (Pad Batch EC)
2-6 ml/kg DESIZING ENZYME
1-3 ml/kg ProAvita ProExcel DBC
3-5 ml/kg WETTING AGENT
Liquor pick-up 100%
Impregnation: (Temperature - As recommended for Desizing enzyme)
Batching time 4-24 h
Hot washing-off

Step-3 Pad Steam Enzymatic Cracking (Pad Steam EC)
2-6 ml/kg DESIZING ENZYME
1-3 ml/kg ProAvita ProExcel DBC
3-5 ml/kg WETTING AGENT
Liquor pick-up 100%
Impregnation: (Temperature - As recommended for Desizing enzyme)
Steaming at 100°C with saturated steam as per recommended time
Hot washing-off

Step-4 Surfactant Cracking on cellulosic, synthetics and their blends, if size does not contain any starch
1-5 gpl WETTING AGENT
1-3 gpl ProAvita ProExcel DBC
x g/l Soda ash or caustic soda
High recipe concentrations for applications in short-time washing machines and in cold pad batch.
Temperature:
60-90°C for PA fibers
80-90°C for PES fibers
85-98°C for CO fibers

For Peroxide Bleaching
Exhaust: 0.2 -0.8 gpl
Continuous: 2 - 5 ml/kg

proklean® BETTER PROFITS. GREENER PLANET.
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IN PARTNERSHIP WITH: SCD Probiotics®