

# Excellent Booster For Enzymatic Desizing & Peroxide Bleaching

**ProExcel DBC**  
*Catalyst For Desizing & Bleaching*



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](http://www.proavita.com)

## 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

## 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

## 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.

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