

## PROFAZYME PAE

- USE:** Multienzyme complex, acid cellulase liquid stone-washing agent.
- PROPERTIES:** **PROFAZYME PAE** produces a stonewash effect without the use of stones.  
Suitable for use in bath washing machines and barrel machines. Eliminates the handling of large amounts of stones.  
Minimizes damage to machines.  
**PROFAZYME PAE** can be used in combination with pumice stone.  
Contains effective wetting and dye suspending agents.
- APPEARANCE:** Brown Liquid.
- SOLUBILITY:** Fully soluble in water.
- pH:** 4.5-5.5 g/l
- APPLICATION:** **PROFAZYME PAE** is based on pseudo-acid cellulase enzymes and operates at lower pH levels. At low concentrations this product produces a high degree of surface abrasion effect.
- TYPICAL PROCESS:** For optimum results, sized fabric must be desized prior to stone - washing. PROFALASE liquids and powders enzymes are recommended to remove starch - based sizes. **PROFAZYME PAE** can be used to remove carboxymethyl cellulose size products. After desizing the fabric should be treated as follows
- MACHINE:** Open pocket washer or barrel machine.  
Recommended rotation speed 28 - 30 revs per minute.

**TYPICAL LOADING:** 2001b machine, 40 - 50 kg fabric.  
**RATIO**  
**GOODS LIQUOR:** 5:1-10:1

**CHEMICAL CONCENTRATION :** Recommended level 0.5 - 2.0% owg.

**TEMPERATURE:** The water should be preheated to 50 – 60 °C. prior to the addition of the **PROFAZYME PAE MIC**

**pH:** Optimum pH 4 - 4.5. should be maintained by the addition of 2g/l **PROFATEX 45**

**TIME:** Normally 45 minutes to 180 minutes depending on the quality of the fabric and degree of effect required.

**ADDITIONAL INFORMATION:** Detergents such as **PROFACTAN SSA** may be added to provide improved definition and minimise back-staining. **PROFAZYME PAE** can be used in combination with stones to produce highly defined stone effects with additional fabric abrasion (heavy stone - wash styles). In this case it is recommended that conventional stone Levels are reduced by up to 50% and **PROFAZYME PAE** added at a concentration of 0.25 - 1.0% owg. Stoning times should be similar to those of conventional stoning processes. However, washing off time may be reduced due to the lower amount of pumice employed. Wash off using 1 - 2g/L Soda Ash to remove enzyme. After completion of the stoning process the garments should be rinsed and if necessary bleached to the required shade. The total colour effect can be further enhanced by washing with a formulated detergent powder from the **PROFACTAN** range of products. Finally the goods can be softened using **PROFASOFT** cationic softening agents.