



PRE-TREATMENT & FWA's

TANASPERSE[®] MDA 01

Mineral desizing agent
for synthetic fabrics

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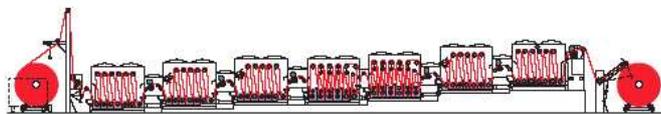
TANATEX[®]
CHEMICALS 

TANASPERSE[®] MDA 01

Synthetic woven fabrics are mostly sized with acrylate or polyester based polymers. CMC and PVA sizes are also common, especially on blends with cellulosic fibres. In principle these sizes are not difficult to remove, but you have to know which kind of size is present.

Traditional approach:

Details of the size being given by the supplier of the fabric. Polyester fabrics are mostly sized with some kind of cross-linked polyester polymer; Polyamide fabrics usually with polyacrylic derivatives. Waxes and oils can also be incorporated in the sizing recipe. Very low levels of soda ash (max. 0.5 g/l) are used for elimination of polyester size; higher levels of soda ash or even caustic will cause coagulation of the PES-size. Caustic soda is used for elimination of acrylic based polymers in order to maintain an alkaline pH-value.



A CONTEMPORARY, SECURE WAY TO PREPARE YOUR SYNTHETICS

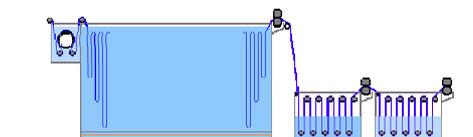
Guide recipe:

1.5 ml/l TANASPERSE[®] MDA 01
1.0 – 2.0 ml/l TANATERGE[®] LFN 01
1.0 – 2.0 ml/l PLEXENE MC

TANASPERSE[®] MDA 01 in combination with TANATERGE[®] LFN 01 and PLEXENE MC

This product combination runs very successfully for:

- * Excellent size removal, independent of the type of size present;
- * No bath changes after every fabric quality (desize PES and PA in the same bath in a random order);
- * Excellent elimination of waxes and fats
- * No negative impact caused by Calcium and Magnesium hardness;
- * Suitable for all discontinuous and continuous processes.



Product information

TANASPERSE[®] MDA 01 is an excellent mineral based buffering agent with a high soil suspending power. It has a very low COD value and it maintains perfectly pH-conditions for desizing any kind of fabric.

TANATERGE[®] LFN 01 is a biodegradable surfactant with excellent emulsifying properties for waxes and oils used in sizing recipes. Oily stains on hydrophobic synthetic fabrics are prevented, especially on low turbulent machines like Mezzera-VB.

PLEXENE MC is a strong chelating agent for most metal ions over a broad pH-range. It prevents coagulation of sizes by Ca and Mg-ions present either in the processing water or on the fabric.