

**BUSPERSE® 47
DISPERSANT AND
PENETRANT**

**RETAN
FATLIQUORING**

SOAKING

**UNHAIRING
AND LIMING**

Versatility of Busperse 47 in the Leather Industry:

Busperse 47 is an 85% biobased, renewable non-ionic dispersant and penetrant. It is one of the most versatile products in the leather industry and can be used from raw to crust, from soaking to fatliquoring. Busperse 47 can be used in all leather processes except in the following stages for waterproof leathers: wet blue, retan and fatliquoring.

Busperse® 47 is a Buckman exclusive product to be successfully used in the following applications:

Soaking of Hides and Skins

The penetrating effect of Busperse 47 can reduce soaking time and improve soaking uniformity, bringing the hides and skins more uniformly within and from piece to piece.

For Dried Hides and Skins

Our usage recommendation: Add 0.2% of Busperse 47 based on hide/skin weight in the first soak, keeping the existing formulation of chemicals. The mechanical action must be minimized during the first 12 hours of soaking to avoid breaking the dry hides or skins. For paddle application, we recommend from 0.1 to 0.2 g/l.

In Soaking of Salted/Brine Cured Hides

Our recommendation: Add 0.1% of Busperse 47 based on hide weight in the main soak, keeping the existing formulation of chemicals

Unhairing and Liming of Hides

Busperse 47 helps the penetration of sulfide and sulfhydrylate, promoting more uniform unhairing and removal of keratin that can cause scud on the hides. The drawn is also reduced once the chemical distribution action is more uniform. Busperse 47 can also help with lime penetration and uniform distribution in the hides.

Add 0.05% to 0.1% of Busperse 47 based on hide weight in the beginning of the unhairing step, with the first addition of sulfide or sulfhydrylate, keeping the existing formulation of chemicals.

Retan of Wet Blue and Splits

Wet blue from different origins, either split or grain side, can benefit from the action of Busperse 47 in the wet back step. The benefits are improvement of color uniformity within the leather piece and within the leather batch. Busperse 47 will promote a better and uniform fat distribution, improving the dye uniformity in the subsequent operation, as well as a more consistent temperature.

Use of Busperse 47 is particularly useful on old wet blues (grain or split) that have oxidized natural fats, producing yellowing and a rancid smell. Busperse 47 will improve the uniformity of the fat distribution and minimize the color variation significantly

Our recommendation: Add 0.1% to 0.3% of Busperse 47 based on wet blue weight in the wet blue wet back, keeping the existing formulation of chemicals. For wetting back of completely dried wet blue use up to 2% of Busperse 47.

Improvement of dye penetration and uniformity

Our recommendation: Add the Busperse 47 together with the dye to improve dye penetration: Add 0.2% of Busperse 47 based on wet blue weight in the dyeing float, keeping the existing chemical formulation.

Fatliquoring

The use of Busperse 47 improves leather softness by improving the fatliquoring distribution inside the leather. Busperse 47 will make leathers with more consistent temper. Its use is particularly important to improve up to 30% of the tear and stitch strength of the leathers. Physical properties of leather made with Busperse 47 can be significantly improved.

Add 2 to 5% of Busperse 47 based on the fatliquor weight. If leather becomes softer, the total amount of fatliquor can be reduced by the same amount of Busperse 47 added.

Learn more

For more information on the use of Busperse 47 in Leather, please contact your Buckman sales representative or visit our website at buckman.com.

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty.

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