

MOUSSEX[®] S 8044 is a high performance modified polysiloxane-based defoamer for waterborne coatings, varnishes and printing inks.

Compatible with many aqueous binder systems, MOUSSEX[®] S 8044 is used to solve foaming problems in high quality architectural and decorative paints, high gloss industrial coatings, wood coatings, printings inks and pigment concentrates. Its defoaming efficiency under high shear forces also makes it a perfect recommendation for pigment grinding.

Excessive foam can occur during production, filling, transportation and application of waterborne paints.

This is particularly true for the grinding step, where high shear forces are developed.

We recommend **MOUSSEX[®] S 8044** as a versatile defoamer for these different stages.

How does it work?

Defoamers have a degree of incompatibility with the medium in which they are present: they act by destabilizing the lamella wall in a foam bubble.

While incompatibility gives the defoaming effect, using too incompatible a defoamer increases the tendency to cause craters. By using a modified silicone-type the degree of incompatibility can be controlled, resulting in efficient defoaming while avoiding crater formation.

MOUSSEX[®] S 8044 does not contain silica and therefore does not influence the DOI (distinctness of image) or decrease gloss.

It is especially recommended for high quality waterborne clear and pigmented coatings.



Illustration in an architectural paint based on styrene-acrylic emulsion.

Roller application



No defoamer

0.5% Mousse[®] S 8044
No foam

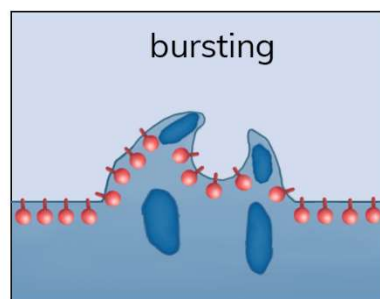
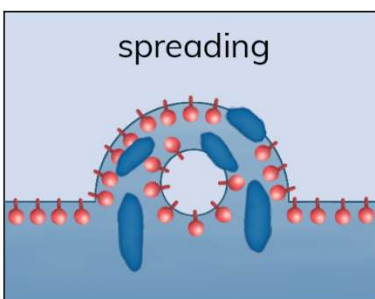
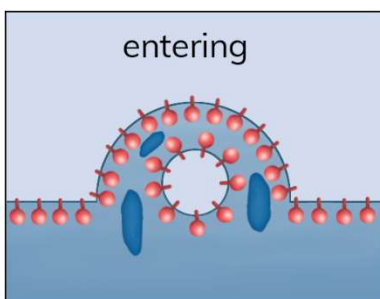
Application using a 120 µm frame



No defoamer

0.5% Mousse[®] S 8044
No foam or craters

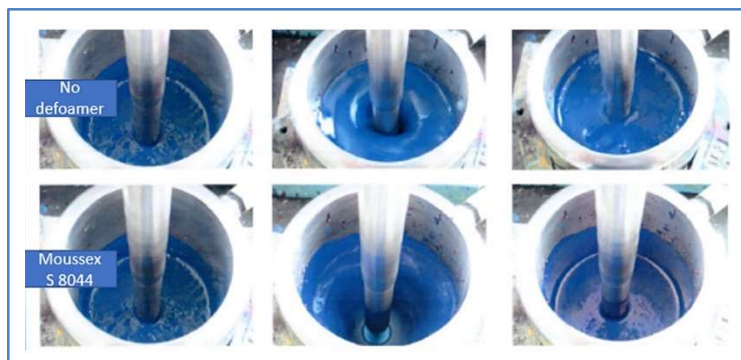
Defoamer destabilizes lamella in foam bubble



 surfactant  defoamer

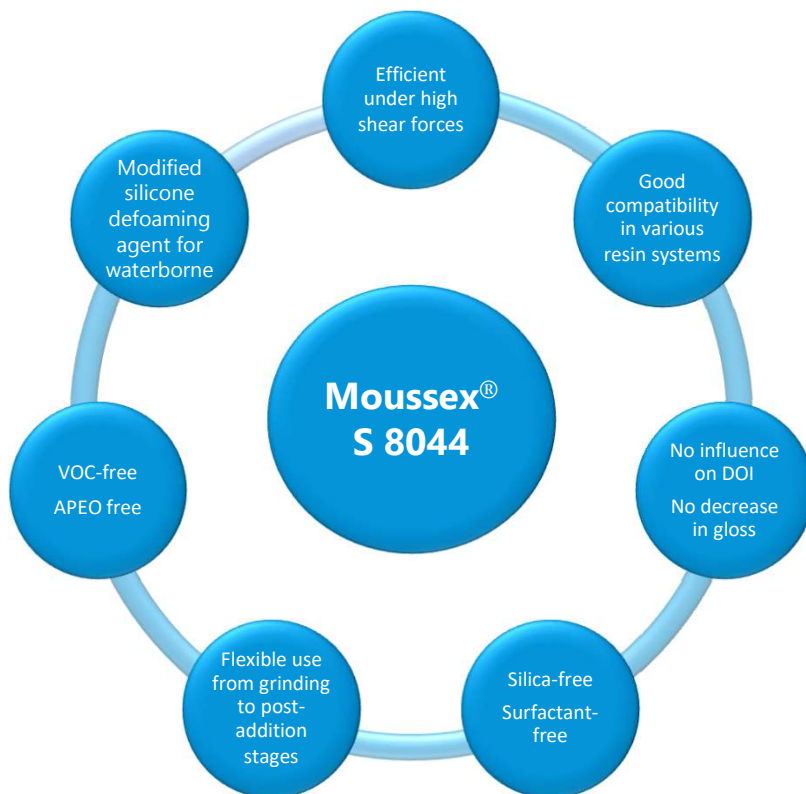
critical $\varnothing < 10 \text{ nm}$

Versatile modified polysiloxane defoamer for waterborne systems with resistance to high shear forces.



MOUSSEX® S 8044 offers very good efficiency even under high shear forces, which helps to prevent foam formation during mixing and grinding steps.

Picture left: Foam prevention and defoaming performance are visible under high shear forces during pigment dispersion.



Moussex® S 8044

- Defoaming agent for waterborne systems, based on modified silicone for controlled incompatibility.
- Flexible use, from grinding to post addition stages.
- Efficient under high shear mixing and over a wide range of pH.
- No influence on gloss; reduced cratering.
- Easy to incorporate at any step of the production process.
- Recommended dosage: 0.1 – 1.0 % delivery form on total formulation.
- Compliant with current regulations.

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