

Adhesive



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Adhesives are generally made to stick two surfaces together so that the surfaces can't be separated. They are meant to stick two things together by adhesion. They are formulated as liquid which become solid after application and then used to bind materials together. They offer a more rigid and durable feel and look.

Foam problems are especially prevalent during manufacturing or application of adhesives due to high speed processes that are used to formulate, mixing, or their application. Therefore, foam is generally encountered when mixing the adhesive or during high speed coating processes these high speed processes are dynamic and new air-liquid interfaces are created very rapidly. Emulsion adhesives are especially prone to the troubles and expensive consequences created by foaming.

These defects not only reduce the aesthetics of the adhesive coating, but also can significantly reduce the adhesion properties of the finished product.

To overcome the problems associated with foaming in the system various types of defoaming / anti-foaming Agents are used. Use of defoamer offer excellent cost / performance ratio, superior compatibility, long-term stability.

Rossari Defoamers are formulated to combat micro- and macro foam during production or during application of adhesives, such as coating or lamination. Selection of right defoaming agent mainly depends on the distinct adhesive formulation, processes employed in formulation of adhesives.

Foaming can deteriorate adhesive system by:

- Reducing Adhesion and Aesthetics
- Process inefficiency
- Overflow in tanks
- Instability of the adhesive emulsion
- Poor substrate coating
- Cratering
- Pin-holing (fisheyes)
- De-wetting

Rossari Range of Defoamers for Adhesives:

Products	Composition	Applications
TRIOBAN SD 100	A Proprietary blend of Polydimethyl Siloxane compound	It is widely used as a versatile Defoamer in both industrial application and in chemical manufacturing.
TRIOBAN PC NDW	It is a blend of Mineral Oil with fatty acid esters	In formulation and application of polymer dispersions/lattices (e. g. adhesives based on acrylates or PVAc, paper coatings or others)
TRIOBAN IC NIK	A blend of Mineral Oil with Hydrophobic Particles	Liquid defoamer for emulsion paints & Adhesives systems based on PVA etc.
TRIOBAN SD 30	A Proprietary blend of Polydimethyl Siloxane and ,Silica, Polyether Silicones, Surfactants	Used in multiple applications such as Adhesives, Paints & Coatings, Detergent, Construction, ETP etc.
TRIOBAN NXZ	A blend of Mineral Oil with fatty acid esters.	Used in Starch - Dextrine, Casein, Acrylic & PVA based Adhesives.
TRIOBAN PC NSDL	It is a blend of mineral oil and fatty acid esters.	Excellent Defoamer for Starch - Dextrine based Adhesive & PVA based Adhesives.
TRIOBAN HV 30	A combination of Polydimethyl Siloxane with Performance Booster & surfactants.	It is used in Starch based Adhesive where high viscous silicone Defoamer is needed.
TRIOBAN NOVA	Hydrocarbon oil-based antifoaming agent.	It is especially use for water-based paint, water Base Adhesives.
TRIOBAN PWD 26	Non Silicone Defoamer in free flowing powder Form.	Construction, adhesives, agrochemicals powders, cement , paints , powder paints, mortars, gypsum etc.
TRIOBAN PWD STN	It is a proprietary blend of Polysiloxane & auxiliary.	Catering to various applications such as Adhesive, Construction, Detergents, etc.

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