

POFi

ENGINEERING



Expert in Mixing and dosing efficiency



DISPERGATOR

FOR SANDWICH PANELS

MIXING CONCEPT

Because of changes in the regulations on additives and complexity of formulations, mixing elements in the Polyol have very different viscosities and therefore are very difficult to mix or immiscible.

The result is a very hard foam to implement, often giving surfaces in contact with the solid sheet of bubbles, adhesion problems, shrinkage problems, bubbles, ...

To work around the component miscibility problem, we developed two elements to a dispersion of additives and gas in very small particles uniformly distributed in the Polyol. Therefore, when the Polyol is mixed in the mixing head with isocyanate, additives are much more reactive and there is no gas concentration or random foaming agents that create full surface states of bubbles or "potato field".

The dispersion is today an essential component of polyurethane foam production units and gives excellent results on the PIR.

It is available as low pressure (mixing of air nucleation) arranged downstream of the dynamic mixer and the high pressure release (mixture of pentane and additives) disposed closest to the mixing head.



Normal mixing

Input dispersator

Output dispersator

Final mixing

Easy to install

Better mixing

Better foam quality

Better reactivity

Better mechanical test results

Lowest consumption of activators



USEFUL INFORMATION

Our offices are open Monday to Friday from 8am to 18pm. Outside these hours thank you for contacting us by e-mail, we will respond quickly.

POFI-ENGINEERING SA

Société anonyme au capital de 111 300 €

CONTACT

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LEGAL INFORMATIONS

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