Addocat® DB  

**Function**  
Catalyst for the production of polyurethane foams, e.g. ester-based flexible slabstock foam and rigid foam.

**Product description**  
- **Chemical composition:** tertiary amine  
- **Physical form:** clear, slightly yellowish liquid  
- **Density (20 °C):** approx. 0.90 g/cm³  
- **Viscosity (20 °C):** approx. 3 mPa.s  
- **Initial boiling point:** approx. 180 °C  
- **Freezing point:** < - 70 °C  
- **Flash point:** 60 °C  
- **(DIN EN 22719)**  
- **Miscibility with water:** not miscible  
- **Water content:** max. 0.5 %  
- **Substance content:** min. 99.0 %

**Product information**  
Flexible slabstock foam (ester-based):  
Addocat DB is an activator for the production of flexible polyester foam based mainly on TDI 65/35.  
1.0 - 1.6 parts by weight Addocat DB, calculated on 100 parts by weight polyester polyol, are used, depending on the water content of the formulation (2.0 - 5.0 parts by weight water).  
Since Addocat DB is insoluble in water, it can be emulsified in a mixture of water, Dispergiermittel WM and Zusatzmittel SM.

Rigid polyurethane foam:  
Addocat DB slightly activates the crosslinking reaction. It is often used as a co-catalyst and gives rigid foam a tough and slightly elastic surface, especially in polyester-polyol containing systems.

**Application:**  
- Addocat DB is used mainly in the continuous production of slabstock foam with densities higher than 50 kg/m³. Depending on the desired density, Zusatzmittel SM can be used simultaneously (at dosages of 1.0 - 4.0 parts by weight Zusatzmittel SM);  
- On-site casting;  
- Continuous production of building boards with flexible and rigid or metal facings.

**Packing**  
Metal cans, contents 50 kg
Metal drums, contents 180 kg  
Plastic container, contents 900 kg

**Storage stability**

When Addocat DB is stored in firmly closed original containers at about 20 °C, a shelf life of 12 months can be expected. Prolonged storage, especially at temperatures above 30 °C, may discolor the product, even in closed containers. This, however, does not impair the catalytic effect.

**Handling**

Consult material safety data sheet (MSDS) for additional handling information for Addocat DB.

---

Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and, therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

---

**Rhein Chemie Rheinau GmbH**

Duesseldorfer Strasse 23-27  
D-68219 Mannheim  
Tel: +49-621-8907-0  
Fax: +49-621-8907-675  
E-Mail: info@rheinchemie.com  
www.rheinchemie.com