

## **Product Overview:**

FlexMaster Eco is a three-component, water-swelling hydrogel formulated on an acrylate basis that cures to an elastic product. One of the key features of FlexMaster Eco is its low blending viscosity, which is almost equivalent to the viscosity of water. This property allows for easy application and penetration, making it a suitable choice for projects where traditional, higher-viscosity materials may not be practical.

The low-viscosity nature of FlexMaster Eco enables construction professionals to utilize it in a variety of applications, including the creation of grout curtains and ground stabilization. By leveraging the unique characteristics of this hydrogel, construction teams can address waterproofing, sealing, and ground stabilization challenges in a cost-effective manner.

## **Technical Data:**

All values listed are approximations.

### Component A:

Makeup	Liquid
Colour:	Purple
Density at 23°C (g/cm <sup>3</sup> )	1.20
Dynamic viscosity at 23°C (mPas)	20

### Component B:

Makeup	Liquid
Colour:	Clear
Density at 23°C (g/cm <sup>3</sup> )	1.1
Dynamic viscosity at 23°C (mPas)	270

### Component C:

Makeup	Solid
Colour:	White
Density at 23°C (g/cm <sup>3</sup> )	2.6
Apparent density at 23°C (g/cm <sup>3</sup> )	1.1

### A + B + C

Reaction temperature	Exothermic
Gel time (sec)	10 - 400
Total curing time (min)	2 – 20
Water absorption	125%

Although the information and specifications provided in this document are, to the best of our knowledge, accurate and truthful, Deutsch Master recommends that users conduct a trial to confirm the suitability of the product for the intended application. Please note that regional climatic conditions may result in variations in the product's performance. No warranty, express or implied, is provided or implied in connection with any recommendations or suggestions made by Deutsch Master, its representatives, agents, or distributors. The information contained in this technical data sheet is effective from the date shown and supersedes all previous data. Customers should check with their local Deutsch Master office to ensure they are referencing the current version.

**Formulation Instructions:**

- 1) Component A and B are mixed at a ratio of 20:1, for a recommended 3 minutes  
(This activates FlexMaster Eco)
- 2) Component C is mixed, for a recommended 3 minutes, with 90% to Component A of water.
- 3) Mixing Ratio  
(A + B) : (C + Water) 1 : 1 (parts per volume)

**Storage:**

FlexMaster Eco has a minimum shelf life of 12 months, in dry conditions as temperatures between 15-25°C. Product should be kept out of direct sunlight. Should you wish to use the product after 12 months, we recommend a sample be sent to Deutsch Master for quality testing.

**Disposal:**

General waste can be used for small quantities of reacted product. Singular components should be disposed of in accordance with local laws.