

## Key Features

**AMT GFRC Acrylic Co-Polymer Resin** is an APEO and ammonia\* free pure acrylic emulsion polymer, specifically designed to modify cement compositions.

## Application

**AMT GFRC Acrylic Co-Polymer Resin** is designed for modification of cement in a wide range of applications such as industrial cement floors, patching and resurfacing, floor underlay, terrazzo flooring, spray and fill coats, pre-cast architectural building panels, cement slurries and highway and bridge deck repair.

**AMT GFRC Acrylic Co-Polymer Resin** has an excellent stability against cement and provides excellent adhesion to various substrates such as concrete, masonry, brick, wood, metals, and others. Cement modified with AMT GFRC shows superior flexural and impact strength, as well as excellent abrasion resistance compared to unmodified cement. Cement mortars prepared with AMT GFRC are resistant to many industrial chemicals and have excellent resistance to ultraviolet light and heat.

\*Ammonia is not intentionally added AND is not knowingly introduced from other raw material.

## Physical/Typical Properties

<b>Appearance</b>	Milky white liquid
<b>MFFT</b>	10 °C
<b>Solids content</b>	46.5 - 47.5 %
<b>pH</b>	9.5 - 10.5
<b>Density</b>	1.06 g/cm <sup>3</sup>
<b>Viscosity (Brookfield LV, spindle 2 @ 60 rpm, 25°C)</b>	20 - 100 mPa·s

Please note that the values shown are typical values for your guidance. They are not to be taken as specifications and are subject to certain variability. Please consult the sales specifications for details.

## Formulation Guidelines

**Defoamer:** Efficient defoamers in combination with **AMT GFRC** are Tego LAE-511, Byk 037 or Dehydran P-3215 at a 0.5% level on emulsion.

**Coalescent:** When working at temperatures down to 5°C addition of a coalescent is recommended. One of the following coalescent could be used up to a 5% level on emulsion: Texanol, DOWANOL™ DPnB (Di propylene glycol n-butyl ether) or Butyl carbitol.

## Health and Safety Guidelines

Safety Data Sheets (SDS) are available from AMT Composites. Safety Data Sheets are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. SDS are updated regularly, therefore, please request and review the most current SDS before handling or using any product. For further questions consult your AMT Sales Contact Person.

## Storage and Handling

**AMT GFRC** should be stored at temperatures between 5°C and 40°C in tightly sealed containers. Avoid freezing of the material! Local legislation on storage must be followed.

**AMT GFRC** is protected against microbial attack during transportation and storage in not opened original packaging. To avoid problems with microbial attack during processing and in opened packaging attention should be paid on hygiene. In some cases it could make sense to add biocides to avoid problems with microorganisms.

We recommend using the product under safety precautions as described in the SDS. Avoid contact with eyes and skin. Large quantities should be handled in a correctly ventilated area. Material can create slippery conditions.

As the product contains water, corrosion-resistance equipment should be used for processing. Low shear pumps like diaphragm pumps should be used.

### **Disclaimer**

*Any information, data, advice or recommendation's for processing materials or products supplied by AMT Composites is given in good faith. It remains at all time the responsibility of the customer to ensure that the products and materials recommended are suitable for the production method used and purpose intended.*

### **Copyright**

*All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability for the data and illustrations being complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner AMT Composites.*