



# FOUNDRY AND TIMBER

**AECI Industrial Chemicals manufactures a range of specialised, formaldehyde-based resins used primarily in the foundry and timber industry**

## FEATURED PRODUCTS



### 01 Phenol Formaldehyde

AECI supplies Phenolic Resin in 2 parts for core and castings production. The resin is used to make core box moulds for truck engine blocks before casting, typically combining phenol formaldehyde resin with isocyanate in the PU Cold-Box process.

### 02 Urea Formaldehyde

AECI IC manufactures 2 grades of Aqueous Urea Formaldehyde Resin for the Timber industry: TP 171<sup>®</sup> (mole ratio 1.1) and Inkunite 385 (mole ratio 1.6). Both are multipurpose adhesives used in plywood and chipboard production. Inkunite 385 is usually diluted and may have added hardeners for faster curing.

### 03 Formaldehyde

Also known as Formalin, comes in the form of a 45% formaldehyde aqueous solution used for the manufacture of formaldehyde derivatives.

### 04 Formalin 37/7

Aqueous solution of formaldehyde stabilised with methanol. It is used to make synthetic resins and as a disinfecting agent. Useful in the manufacture of metals and recovery of precious metals.

# MANUFACTURING CAPABILITY



Resins are manufactured at a dedicated plant in Umbogintwini, KwaZulu-Natal.



Facilities include reactors, PLC driven process units and in-line evaporators with fin fan coolers. The site also hosts raw materials silos and temperature-controlled bulk storage tanks.



The Umbogintwini plant has been in operation for over 100 years, tracing its roots back all the way to 1908.



End products can be differentiated for a range of different use cases. Facilities are ISO 9001 certified.



## NAME PLATE CAPACITY:

**96** tonnes of formaldehyde per day



## DID YOU KNOW?

AECI is aligned to the UN's Sustainable Development Goals

# POST-PURCHASE TECHNICAL SUPPORT

**Maximise the value of your chemical purchases with a host of post-purchase technical support services.**

We offer full technical support and management services to ensure your chemical storage and offloading facilities comply with best engineering and safety standards.

Services include hazard identification, statutory and annual maintenance inspections, product upliftment, resolving production problems and more.

## GET IN TOUCH

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