

## IBC CONTAINER, HANAU, GERMANY

An IBC container in Hanau, Germany required better insulation than they were previously receiving from traditional insulation. IBC is an acronym for “intermediate bulk container” and is a large, reusable container used for storing or transporting industrial goods. These containers are versatile and used to carry anything from chemicals to sand storage. In this case, the IBC container served as a glycol/water reserve container for a cryostat in the polymer technical center.

Insulation for the IBC container of glycol/water would need to accommodate temperatures ranging from -4°F (-20°C) to 104°F (40°C). The overarching goal was to protect the surface from corrosion as well as the avoidance of cold loss.

Tnemec’s Series 975 Aerolon was the ideal fit for this project due to its exceptional insulative qualities and ability to mitigate corrosion. This revolutionary formulation by Tnemec was designed for exceptionally low thermal conductivity, resulting in class-leading insulative benefits. Series 975 contains a microporous composite particle that provides many features and benefits, including excellent heat and mechanical stability, non-combustibility, and high hydrophobicity to combat environmental conditions.

With just 150 mils (3.75 mm) or three coats of Series 975 Aerolon, the IBC container can expect a cold loss efficiency of only 53%.



### PROJECT INFORMATION

**Location**

Hanau, Germany

**Completion Date**

2021

**Owner**

Evonik

(above) The top photo depicts the IBC container without insulation, followed by the bottom image after Series 975 Aerolon was applied.

### FEATURED PRODUCTS

Series 975 Aerolon

