

Aerogel Blanket Insulates Entire New Polycarbonate Plant

Easily installed on piping,
towers, tanks, and drums



CASE STUDY

DETAILS

Customer: Cheil Yeosu
Location: South Korea

CHALLENGES

- Insulate piping, towers, tanks, and drums for entire new Cheil polycarbonate plant in South Korea.
- The design goal was heat conservation.
- Process temperature was 121°–343°C (250°–650°F).

SOLUTIONS

- Aspen Aerogels provided a large supply of **Pyrogel® 6350** (6 mm) and **Pyrogel® 10350** (10 mm) material for insulating the plant.

BENEFITS

- The Pyrogel insulation helped meet heat conservation requirements throughout the plant.
- The insulation was efficient to install, particularly on towers and vessels, enabling contractors to lower the labor cost and total installed cost.
- The aerogel solution was an economical total installed cost solution.
- The aerogel solution also helped energy savings due to its water resistance properties.



