

Reference

## PLEXIGLAS®

### Greenhouse Valstar in the Netherlands



#### Market segment

Industrial Construction & Architecture,  
Greenhouse

#### Product

PLEXIGLAS® Alltop SDP, approx. 50.000 m<sup>2</sup>, buildt  
in 2001–2002

#### Location

Maasland, Netherlands

#### Fabricator

Verbakel–Bomkas, Netherlands

#### Selection criteria

- high light and UV transmission
- energy efficiency
- excellent resistance to weathering and aging

#### Description of the application

The construction of the new 5–hectare greenhouse complex for year–round cultivation of Calathea, which was completed in only one year, was a genuine challenge. As a result, the Valstar brothers enlisted the help of the VEK planning office. After choosing widespan greenhouses with a width of 13.5 meters, the next decision was the roofing material. PLEXIGLAS® Alltop double–skin sheets were preferred over conventional glass because the heat–loving Calatheas were to be grown in an energy–saving and eco–friendly environment. After visiting the Weiterstadt production site in March of 2001, Aad Verbakel and Jörgen Valstar were convinced that they had found the right partner in Evonik. The plants, which belong to the Marantaceae family, are distinguished by their decorative leaves.

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