



Apr 2, 2009

Pressinfo ACHEMA 2009

SIMONA hones its profile as a system supplier at Achema 2009

- **New product family PP-DWU AlphaPlus with DIBt certification**
- **New twin-wall sheets – stability and stiffness combined with low weight**
- **More than 3,000 media and proprietary products on updated SIMCHEM 6.0 CD-ROM**

Kirn, 02/04/2009.

SIMONA AG will be presenting its service portfolio as a high-end system supplier at Achema 2009, Frankfurt, from May 11 to 15. Against a challenging economic backdrop, SIMONA is looking to extend its market position by pursuing a targeted product and quality offensive, in addition to expanding its premium consulting services within the technical field and offering an extensive, fully coordinated range of products.



The main focus at this year's trade fair will be on the new line of PP-DWU AlphaPlus products. Thus for the first time SIMONA will be showcasing a complete product portfolio consisting of pipes and fittings, extruded and pressed sheets as well as solid rods and welding rods featuring a uniform PP-H as the base material throughout the range. Testing in connection with the official certification for PP-DWU AlphaPlus from the Deutsches Institut für Bautechnik (DIBt) has been completed, which makes SIMONA the only manufacturer of semi-finished products with a DIBt-approved compound for a PP-H material. The newly developed SIMONA® PP-DWU AlphaPlus material offers a high degree of notched impact strength, together with improved rigidity and exceptional welding properties. PP-DWU AlphaPlus was developed with the help of special nucleating agents and targeted adjustments to process engineering. The result is a PP-H with β -crystalline properties. Retaining its unique material-specific advantages, PP-DWU AlphaPlus will thus set new standards within this segment of the market.





The second generation of twin-wall sheets launched by the company is available in the materials SIMONA® PE, PP, PPs and PP-C-UV. They combine rigidity and stability with lightweight design. The second generation of twin-wall sheets is available with a variable number of web elements and in a range of sheet thicknesses. This latest solution is also suitable for applications that have to meet higher load requirements. What is more, for the first time, the new sheets can also be used for the construction of rectangular plastic tanks with a volume of more than 5 m³; sizes of more than 10 m³ can be achieved if interior tie rods are deployed. Until now, producing tanks of this size was not possible without the use of steel components. Another key benefit associated with SIMONA's latest innovation is that it is capable of delivering cost savings of up to 30%, mainly due to the absence of steel reinforcements, which usually have to be welded and lined in conventional designs. Additionally, the new twin-wall sheet provides high levels of thermal insulation, as well as offering good chemical resistance. SIMONA® twin-wall sheets can be used for a wide range of applications, such as the construction of equipment, tanks and machines, as wall and ceiling panels, as sound barriers, for applications in the field of environmental and agricultural technology, and as covers for swimming pools. SIMONA® twin-wall sheets are suitable for a wide range of fabrication methods, including welding, sawing, bolting, milling and turning. Owing to their cavity structure, they are extremely light.



SIMCHEM 6.0 is a comprehensive guide on the chemical resistance of all SIMONA materials. The 6th edition of the fully revised CD-ROM includes data on more than 3,000 media and proprietary products. The latest version of SIMCHEM is based on findings from immersion testing as part of which test specimens were subjected to different temperatures in the medium in question, free from external stresses. The data derived from testing is complemented by case study reports, recommendations by raw material manufacturers as well as extensive data relating to standards, directives and guidelines.

[Product Images »](#)

ACHEMA 2009 29th International Exhibition-Congress on Chemical Engineering, Environmental Protection and Biotechnology, Frankfurt am Main, 11-15/05/09

- **SIMONA Stand: Hall 8.0, Stand D29**