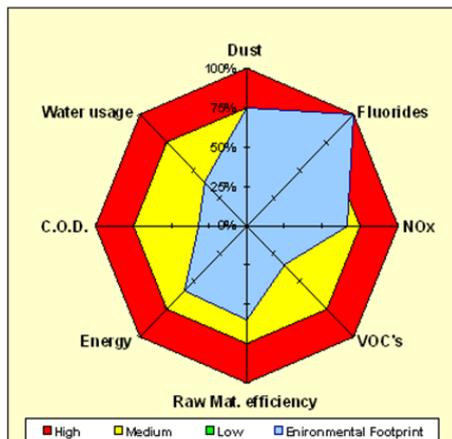




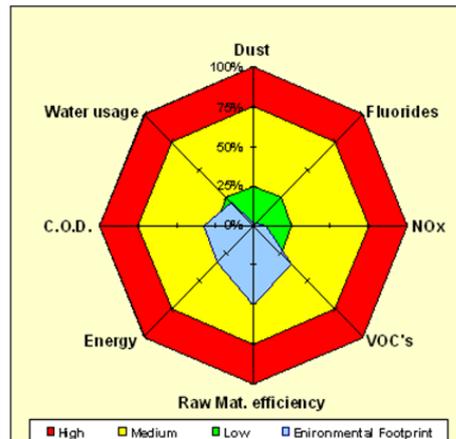
Advantex® Boron-Free E-CR Glass Reinforcements Reduce Environmental Footprint

COMPARING ENVIRONMENTAL FOOTPRINTS

Traditional E-Glass with Boron



Boron-Free Owens Corning Advantex® E-CR glass



*The above comparison was typical for OCV™ plant conversions. Actual results vary from plant to plant.

These graphs show the dramatic improvement offered by Advantex® glass made with Owens Corning Advanced Glass Melting technology. The blue areas represent the environmental impact footprints resulting from the production of traditional E-glass (on the left) and Advantex® glass (on the right). The footprint representing Advantex® glass production is significantly smaller than the one for the production of traditional E-glass.

Owens Corning realized a nearly 100% reduction of fluorides and dust, and a significant cutback of NOx and water use, compared to the manufacturing of E-glass. This comparison shows the changes at one of our plants before and after Owens Corning produced Advantex® glass.

VOC = volatile organic compounds, NOx = nitrogen oxide emissions, C.O.D. = chemical oxygen demand

CONVERSION OF GLASS MELTING FURNACES TO GAS AND OXYGEN FIRING TECHNOLOGY IN OWENS CORNING REINFORCEMENT PLANTS



Conversion to Advantex® glass and the additional engineering of our furnace design allowed Owens Corning to reduce reinforcement plant emissions of CO2 by nearly 40% and NOx (nitrogen oxide) emissions by almost 75%.



From converting our reinforcement plants we are emitting more than 23% less greenhouse gas emissions.

*The above comparison was typical for OCV™ plant conversions. Actual results vary from plant to plant.

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Markets Where Advantex® Glass Reinforced Composites Provide Better Performance vs. Traditional Materials

- Oil and Gas
- Power Plants
- Mining
- Industrial
- Water/Sewage
- Marine
- Tidal and sea wave energy



Structural components for many designs



Tanks, grating and railing systems



Cooling towers in power plants



Pipe for corrosive chemicals, solvents, oil, refineries, water and sewage

TAKE RISK OUT – PUT ADVANTEX® GLASS IN

THE OCV™ BUSINESSES ARE WORLDWIDE SUPPLIERS

Supporting our customers with the entire Advantex® reinforcement product range including glass fiber, technical fabrics and specialty glass.

Most OCV™ products are manufactured with Advantex® glass today. Ongoing conversion programs are underway in Europe, Asia Pacific and Latin America manufacturing plants while North America plants are already converted 100% to Advantex® glass.

Contact

Advantex.americas@owenscorning.com

North America: +1 614 507 5828

Latin America: +55 19 3535 9316

Advantex.europe@owenscorning.com

Advantex.asiap@owenscorning.com

India: +91 22 6668 1717

S. Korea: +82-54-429-5782

China: +86 571 88130808 - EXT. 5682

Japan: +81 280 92 6049



OCV™ Reinforcements

OWENS CORNING

COMPOSITE MATERIALS, LLC

ONE OWENS CORNING PARKWAY

TOLEDO, OHIO 43659

1.800.GET.PINK™

www.owenscorning.com

www.ocvreinforcements.com

EUROPEAN OWENS CORNING

FIBERGLAS, SPRL.

166, CHAUSSEÉ DE LA HULPE

B-1170 BRUSSELS

BELGIUM

+32.2.674.82.11

OWENS CORNING – OCV ASIA PACIFIC

SHANGHAI REGIONAL HEADQUARTERS

OLIVE L.V.O. MANSION, 2ND FLOOR

620 HUASHAN ROAD

SHANGHAI 200040

CHINA

+86.21.62489922

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