



Give them a reason
to breathe easy with
zero sightline vents.

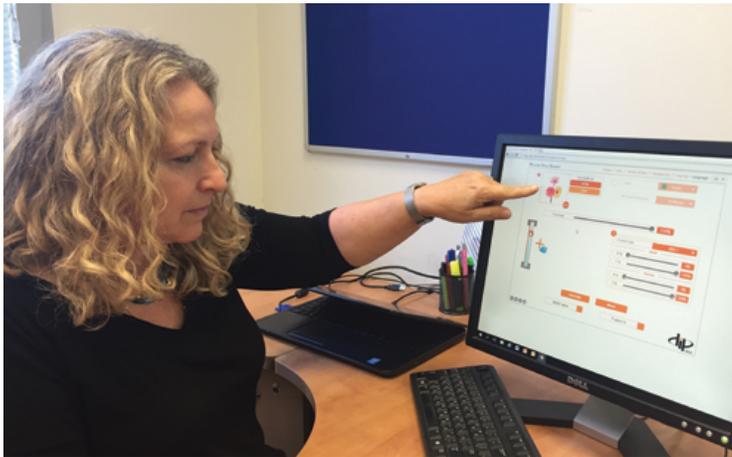


Glass Magazine Awards 2016: Glass Reimagined

Glass Magazine Award winners create, handle and use glass in bold new ways

Bethany Stough
July 3, 2016

COMMERCIAL, RETAIL, FABRICATION : TRENDS



Most Innovative Web Tool or App

Dip-Energy, Printed Glass Performance Calculator, Dip-Tech.

Pictured is Dorit Regev, R&D software and IT director, Dip-Tech, who developed the Dip-Energy tool. Photo courtesy of Dip-Tech.

Dip-Tech's Dip-Energy printed glass performance calculator, an energy-saving, web-based assessment tool, quickly evaluates the energy performance of Dip-Tech printed glass. Dip-Energy provides important information for the many parties involved in designing, developing and constructing buildings, including architects, designers, contractors and developers, Dip-Tech officials report. With Dip-Energy, architects, glass processors and glazing consultants can easily measure the impact that specific designs will have on the solar heat gain coefficient and the percentage of visible light transmission of the glazed section of the building, even in the concept and design stages, according to the company.

"Removing the printing and production costs during testing allows designers to explore their creative ideas more freely and to evaluate each one for energy performance. The service software estimates the SHGC and VLT in just a few simple steps," says Dorit Regev, R&D software and IT director, Dip-Tech.

The user has the option to upload a graphic file or to choose a standard pattern and to define the color and ink thickness. The user provides the percentage of glass coverage, the side of the print layer and the glass specifications. Based on the data entered, Dip-Energy analyzes the design and calculates the energy performance of the digitally printed ceramic ink layer and of the glass glazing itself.

"The multi-lingual, user-friendly interface makes it possible for users to evaluate many designs, changes and concepts in seconds. The Dip-Energy performance calculator allows the architect to unite an aesthetic vision with real energy efficiency input," says Regev.

The tool combines Dip-Tech's proprietary formulas that evaluate the printed ink layer with the industry standard Window 7 formulas for fenestration calculation to generate the estimated SHGC and VLT for a compound glazing with a printed glass design. Dip-Energy is calibrated


 Search

specifically for Dip-Tech digital ceramic inks and Dip-Tech printers, offering a unique tool available to Dip-Tech users.

Share this article: [in](#) [f](#) [t](#) [e](#)



Stough is managing editor for Glass Magazine, GlassMagazine.com and e-glass weekly. Write her at bstough@glass.org.