



# COMMERCIAL

## NEW

### WHOLE FOODS MARKET

Whole Foods Market in Dedham, Massachusetts is more than just a beautiful grocery store. The 63,000sf project is also constructed to strict environmental standards, earning Green Globes certification as well as GreenChill certification from the US Environmental Protection Agency.

Whole Foods is known as an impassioned leader in environmental issues. The Dedham store includes countless green initiatives, including a fuel cell and solar panel system that generates nearly 100% of the power needed to run the store, and a system that uses rejected heat from the refrigeration system to heat water.

Tile from Trikeenan Tileworks is used for over 5,000sf of wall surfacing in the store, including the seafood, meat, bakery, deli and cheese departments, as well as restrooms and food prep areas. Easy to clean and durable, tile is an ideal surface where food is both displayed and served. It also has a nearly limitless lifespan.

Trikeenan's tile was a clear choice for Whole Foods: in addition to a huge palette and accessible price points, Whole Foods appreciated Trikeenan's VOC-free glazes; their reclamation and recycling of water, clay, cardboard and glaze waste; and products lines with both post industrial and post-consumer waste.

Also important was the ability to source the tile locally: Trikeenan is one of the only tile manufacturers in the North East, and sourcing materials that are manufactured regionally is a big part of Green building.

"It was important to us that we stayed local and not ship the tile from across the country," says John Doherty, executive coordinator of design for Whole Foods. "Historically, Whole Foods has had great success working with hand glazed tile, but most of it came from far away. To find someone local was great."

The Whole Foods design team worked directly with owner Kristin Powers to select a palette of products that reflected the design goals of the project. Whole Foods used a 3x6 subway pattern throughout the store but varied the glaze colors according to department. Throughout the space, tile abuts stone, wood, or other natural surfaces, where its organic quality complements both the adjacent architecture and the foods on display.

"In general, we wanted to keep with the same aesthetic [as other Whole Foods projects]," explains Doherty. "Trikeenan had a lot of really rich colors." Whole Foods specified the organic Burl Brown for meats and the vibrant blues and greens of Outer Galaxy in seafood. Tile from Trikeenan's Modulus collection is used in bakery, deli and cheese areas. "People have responded really well to the aesthetic of this tile," says Doherty.

For restrooms, Whole Foods opted to use 'seconds' from Trikeenan's Modulus collection. "These bathrooms are very green," says Doherty. "Low flow toilets, waterless urinals and so on. So to use seconds tile fit right into the design intention...I think this is a really good story for both Whole Foods and the environment - a very successful use of seconds tile. It's a very upscale look, and we also kept some stuff out of the landfill."

**COMPANY:** Trikeenan Tileworks

**PROJECT LOCATION:** Dedham, MA

#### PROJECT TEAM MEMBERS:

**Executive Coordinator of Construction:** Robert Donnelly, Whole Foods Market, Inc.

**Executive Coordinator of Design & Décor:** John Doherty, Whole Foods Market, Inc.

**Design Architect (WFM Consultant):** Craig Grund, BottinoGrund Architects

**Architect:** Eric Brown, Prellwitz/Chilinski Assoc., Inc. (PCA)

**Tile Manufacturer/Designer:** Kristin Powers, Trikeenan Tileworks

**Tile Installer:** Simeone Floors, Inc.

#### GREEN PRODUCTS USED:

- Trikeenan wall tiles are 100% VOC emission free and made within 500 miles of the Whole Foods building site. Trikeenan manufactures product lines with recycled content of 50% to 85% depending on the collection, they carry a long product life cycle & low carbon footprint. The bonus is that seconds tiles were used in both bathrooms floor to ceiling, saving them from entering a landfill, equaling post-industrial waste content.
- 400-kw fuel cell from UTC Power – store generates nearly 90% of its power needs and all of its hot water needs onsite; waste exhaust is captured for cooling and heating
- 80-kw rooftop solar installation made up of 460 panels installed; projected to produce approximately 100,000 kw hours during the first year
- Utilizing secondary fluids in the store's refrigeration system, potential ozone-depleting gases are minimized; rejected heat is reclaimed, used to heat water, reducing consumption of natural gas and charge of refrigerants by 75%
- Added windows, 16 skylights allow more natural light, reducing electricity consumption
- Zoned lighting, motion-sensitive or time controlled with sun sensors
- Toilet partitions made from recycled milk jugs
- Check stands made with Marmoleum, readily renewable material supplied by plants/trees
- Walls painted with Benjamin Moore's VOC-free Natura paints
- Water-saving devices used in bathrooms and prep areas
- White roofing membrane helps reflect sunlight, reducing cooling requirements
- Décor boards made from Lumicor's R4 certified recycled resin
- 75% of construction waste diverted from landfills

#### CERTIFICATIONS:

Green Building Initiative's (GBI) Green Globes® certification

The Environmental Protection Agency's (EPA) GreenChill certification

**coverings**  
THE ULTIMATE TILE + STONE EXPERIENCE<sup>SM</sup>  
**PROJECT: Green**

