



# SIKA AT WORK

## CUBIC YACHT FLOORING SYSTEM INSTALLED TAMPA, FLORIDA

SIKAFLOOR® MARINE-590, SIKAFLOOR® MARINE-150, SIKACOR® ZP PRIMER

BUILDING TRUST



# CUBIC YACHT FLOORING SYSTEM



## PROJECT DESCRIPTION

Many luxury yachts and cruise ships are equipped with teak decks due to its natural oil content that gives extreme durability against harsh elements. However, natural teak wood is expensive and countries have banned the export of virgin teak to slow deforestation, driving the price higher. To combat these higher costs, boat manufacturers and refurbishers looked to synthetic teak products made from polyurethane resins that have the look of teak but also offer many more options in the way of colors and design possibilities.

Cubic Yachts has built an ocean going stainless steel house boat that combines the design of a barge, an offshore construction vessel and a luxury yacht. The ship stays close to shore and when the ship is ready to "park" for the night, four hydraulic spuds lower to the sea bottom to lift the ship out of the water. This allows the boat to then have a level and stable platform for sleeping or entertaining. Cubic Yachts was looking for an alternative to teak but with the same high quality look and feel. They plan to expand in the future building ships that will act as restaurants or other offshore meeting places.

## SIKA SOLUTION

Sika developed an aesthetically-pleasing synthetic teak deck system based on the sports flooring line from Sika Netherlands. These products are very similar to the Comfort Floor system used in commercial flooring applications but they have been modified to withstand the strict demands for fire protection and UV resistance needed for passenger vessel certification. The Cubic Yacht installation was the first field trial in the US for this system.

Our most current General Sales Conditions shall apply. Please consult the most current local Product Data Sheet prior to any use.

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## PROCESS OF INSTALLING A SYNTHETIC TEAK DECK

1. Shot blast the deck, sweep and then clean the deck with solvent
2. Install Sikacor® ZP Primer
3. Install 6 mm Sikafloor® Marine-150 – Flexible underlayment to level the deck
4. Install 6 mm Sikafloor® Marine-590 – Teak plank color on all deck areas
5. Layout caulking lines & use saw or router to cut the lines
6. Fill in all caulk lines with Sikafloor® Marine-590 – Caulking color
7. Use drum sander on all large areas – Use special grit combination to get wood grain effect
8. Perimeter sand with smaller sanders
9. Inspect, make repairs then clean the deck with soap & water

Feedback from the shipyard project manager and Cubic Yacht's owner has been excellent and due to the success of this project the goal is to complete two more field tests globally and then start to roll out the products for sale in late 2017 or 2018.

## FIELD TRIAL PARTICIPANTS

Per Eskilsen - Global Sales Director, Marine  
Kurt V Nielsen - Project Manager, Sika Finland  
Cyril Hoebler - Marine Manger, Sika France  
Tony Gray - Business Development Marine, Sika USA