

Leading Flooring Manufacturer Chooses MadgeTech for Rubber Curing

BACKGROUND

A global market leader in commercial flooring, Forbo Flooring Systems, specializes in linoleum, vinyl, and textile flooring. With more than 150 years of experience, Forbo combines functionality with hardwearing materials in the development and manufacturing of industry-specific flooring solutions.

CHALLENGE

Vulcanization, or rubber curing, is the chemical process where natural rubber is converted into a durable material that can be used for flooring. In order to monitor temperature during the rubber curing process, Forbo needed a data logger that could withstand the harsh environment.

SOLUTION

Forbo selected MadgeTech's **DHS Dry Heat Sterilization System** because it delivered the level of excellence they required to collect high quality data from within an innovative moving curing environment. Since the DHS is also portable, Forbo can place the system inside challenging environments without the fear of sensors snagging or getting damaged in rotating components.

Rubber curing requires a constant temperature of 190°C for over 3 hours, a challenge that has been robustly tackled using the DHS data logging system. Designed for use in dry air environments, the DHS can withstand and measure temperatures up to 400°C (752°F) and accepts a wide variety of RTD probe options with its M12 connection.

By coupling the **HiTemp140-M12** high temperature data logger with interchangeable temperature probe and the protective **ThermoVault Max** stainless steel thermal barrier, Forbo is now able to collect precise measurements better than 0.1°C for over 5 hours.



Wessex Power is the exclusive MadgeTech distributor for the United Kingdom. For more information on the DHS or to find your perfect MadgeTech data logging solution contact Wessex Power at +44 (0)1929 459 459.

