

SOLUTIONS FOR ELECTRIC  
VEHICLE MANUFACTURERS



**STONHARD**<sup>®</sup>

MANUFACTURER AND INSTALLER OF SEAMLESS FLOORS, WALLS AND LININGS



A UNIQUE SOLUTION FOR EVERY  
AREA OF YOUR FACILITY



PRODUCTION AREA

# AN INNOVATIVE INDUSTRY DEMANDS AN INNOVATIVE SEAMLESS SOLUTION

The unprecedented and rapid growth within the electric vehicle sector requires businesses to invest in the right tools for optimal performance. These tools include seamless floors, walls and linings.



## BENEFITS AT A GLANCE

- Increased Durability
- Increased Chemical and Stain Resistance
- Increased Slip and Abrasion Resistance
- Sound-Absorbing Properties
- Thermal Shock Resistance
- Static Control and ESD Properties
- Low VOCs
- Spark-Proof Properties
- ISO 9001 Certified
- ISO 45001 Certified

## WHY CHOOSE STONHARD?

Few companies can claim a 100-year legacy or the reputation of problem solving Stonhard is built on. We've been delivering proven, single-source service, covering both your products and installation for more than a century. From the start of your project to its finish, from specifications and design to project management and final walk through, you work with us directly. We remain your trusted partner today and for decades to come.



PRODUCTION AREA

# KEY FEATURES OF OUR TECHNICALLY-ADVANCED FORMULATIONS

We understand your needs and our floors exhibit that. Our solutions are specifically tailored for your electric vehicle manufacturing facility, keeping every detail in mind.



## DURABILITY

Durability is an essential flooring feature in any automotive production site simply due to vehicles and heavy equipment. Stomhurd floors provide high-compressive strength and impact resistance, engineered with constant foot and wheeled traffic in mind.

## HYGIENIC SOLUTIONS

Seamless floors without a texture are inherently hygienic and protect against bacteria as no dirt and grime remain after a simple clean-up procedure. Stomhurd floors also have low VOC properties, ensuring a healthy environment while saving time and money.

## NOISE REDUCTION

Noise-reducing floors help absorb some of the sound waves that are transmitted when objects come in contact with the surface. This feature is beneficial as it reduces the amplification of sounds which result in a distracting and uncomfortable acoustic environment in areas such as welding and testing.

## SPARK PROOF FLOORS

On standard floors, it is very easy to build up static charge through friction. Stomhurd's ESD floors, also known as static dissipative floors, provide superior static control utilizing carbon-filled primers which protect personnel and equipment from sparks, shocks and explosions.

## THERMAL SHOCK RESISTANT

Stomhurd solutions include thermal shock and cycling-resistant floors which stand up to extreme temperatures and extreme changes in temperature. This is a beneficial feature for your EV manufacturing facility as it can prevent cracking of the floor and provide optimal working conditions.







**CORRIDOR**  
Stonglaze

### **WALL SYSTEMS WITH SMOOTH FINISH**

Smooth and seamless, our Stonglaze wall systems resist splashes, spills, fumes and abrasion. These formulations can be applied over concrete, block, cement board or drywall and are expressly designed for hygienic environments. Expert formulations offer huge returns on investment in automotive battery manufacturing facilities as they provide no room for particles to bond and create a spark, offering a complete hygienic and seamless experience.



**WAREHOUSE**  
Curbs

### **HYGIENIC WALL PROTECTION FROM OUR BUSINESS PARTNER**

Stonhard has partnered with a business partner to maximize technology, creating wall systems that protect battery manufacturing facilities. There are no cavities behind the skirting boards or curbs, providing a hygienic, rounded transition between the floor and curbs. This means there will be no place for germs and bacteria to develop. Joints are finished with a unique, advanced germ-free hygienic sealant and installation is quick and easy. Stonhard's chemical-resistant, seamless floors and the curbs are a natural fit, giving your facility a long-term, turnkey solution.

### **STONHARD LINING SYSTEMS**

Stonhard's high-performing resin chemistries provide exceptional lining protection for ultra-corrosive environments and perform under extreme physical conditions. Our Stonchem lining systems have excellent resistance to concentrated sulfuric acids, hydrofluoric acid, chlorinated solvents and caustics as well as oxidizers such as concentrated nitric and chromic acid.



**PACKAGING & DISTRIBUTION**  
Stonchem



## FLOORING SOLUTIONS FOR BATTERY MANUFACTURING

The battery is the defining component of an electric vehicle. During the cell manufacturing and battery production stage, the right floor can be a critical aspect of ensuring the long-term success of your facility's floor.

Stonhard provides flooring solutions for battery and cell assembly at every stage. We offer abrasion-resistant floors for tab welding areas, ESD floors for EoL testing and electrolyte filling areas, as well as ergonomic floors for packaging. Our team will assist you in choosing the best floor for your environment.

# SUSTAINABILITY IS OUR DUTY NOT A DESIRE

Earth is the one thing we all have in common and the greatest threat to our planet is the belief that someone else will save it. Unlike many other flooring products, epoxy floors become a part of your building's structure, so they won't end up in a landfill after their long life or when a change is desired. Our Research and Development teams are always working diligently behind the scenes to integrate sustainability into all our products and projects.

At Stonhard, we utilize sustainable and rapidly renewable materials to ensure we're doing our part in maintaining a healthy environment. Flooring solutions like Stonclad GR are produced with 25% recycled glass fillers whereas Stonclad G2 and Stonblend GSI-G utilize recycled glass and plant-based resins. Our floors can also be considered eco-friendly based on the disposal of the materials upon replacement. Unlike many other products, seamless floors are part of the building's very structure and make them an optimal choice for electric vehicle manufacturing plants.

## **BENEFITS AT A GLANCE**

- Making a commitment to a healthier planet
- Meeting regulations and low-emissions criteria
- Promoting the use of recycled or renewable materials

We are also proud members of the US Green Building Council and will work with you to reduce your carbon footprint and achieve your LEED certification.



**PRODUCTION AREA**  
Stonclad GR



**LABORATORY**  
Stonblend GSI-G



# WE ARE YOUR SINGLE POINT OF CONTACT WITH AN INDUSTRY-LEADING REPUTATION YOU CAN TRUST

## RELATIONSHIPS

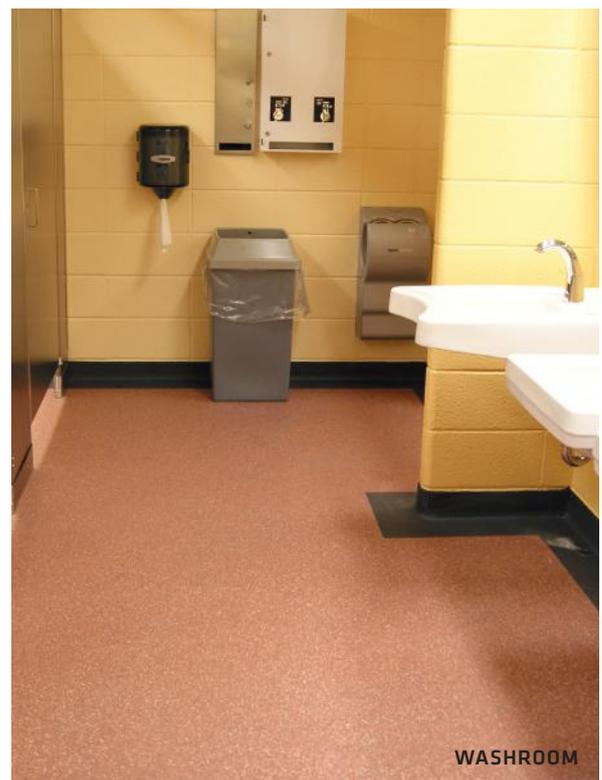
Our partnership approach and the direct sales force will provide you with an easily accessible single point of contact. Think of our local Territory Manager and our Architectural, Design and Engineering group as your product, technical experts, and project managers, taking you from product selection to final walk through. Stonhard also offers extensive resources and global account teams, working collectively with you to bring long-term solutions.

## RESPONSIBILITY

Our broad range of high-performance GMP-compliant products and processes are designed to handle the most demanding battery manufacturing and automotive environments and are vetted for stringent safety protocols. All our installation crews are OSHA compliant (ISO 45001). With our ISO 45001-certificate we meet the ISO Health & Safety standard on site. Our safety-conscious crews work with PPE, HEPA filters and site safety documentation is readily accessible to all on-site and off-site personnel to maintain the highest safety standards. We are real-time problem solvers, ISO 9001-certified and take responsibility for products and installation.

## REPUTATION

We understand that you rely on industry partners you can trust for your facilities. Stonhard is proud of its renowned reputation and highly personalized approach to communication and service. We have cultivated dependable, professional relationships with clients who operate in some of the most demanding of environments. With more than a century of technical engineering, real-time problem solving, and installation experience, there's no challenge we can't handle.



# THE STONHARD DIFFERENCE

A century solving customers' problems, one point of contact, direct sales with complete design support, project management, technical support and global accounts. No matter where you are in the world, the end result is the same - consistent products and installation.



# STONHARD®

STONHARD.COM



Stonhard believes the information contained here to be true and accurate. Stonhard makes no warranty, expressed or implied based on this literature and assumes no responsibility for consequential or incidental damages in the use of these products and systems described, including any warranty of merchantability or fitness. Information contained here is for evaluation only. Stonhard ©2023

