

# STONHARD *Solutions*

## *The Right Floor and A Systematic Installation for Ontario's Millhaven Institution*

### Products used at Millhaven Institution:

- Stonclad GS
- Stonshield HRI

### *Six-Week Long Riot*

In January, 1997, the Millhaven Institution, a maximum security prison in Ontario, Canada, was destroyed during a six-week long riot by inmates. The damage done to the facility was extensive, including the leveling of cell walls, destruction of doors, windows, fixtures and furniture, and even the tearing and burning of vinyl floors. In some cases, pieces of torn vinyl were used as weapons against prison guards. To douse the fires that were set by the inmates, fire fighters brought in hoses, resulting in additional water damage to what little remained of the floors.

Public Works managers at the institution decided to completely renovate the floors and were resolute about finding a strong, seamless, long-lasting and low maintenance system for the facility.

### *New Floors...The Right Floors*

Choosing the right floor, as it turned out, was not a difficult decision. A Public Works Manager at Millhaven knew of Stonhard and asked Stonhard customers about their floors. Stonhard's experience, reputation and product diversity gave the institution what they were looking for.

Stonhard's Stonclad GS, a seamless epoxy mortar system noted for its durability, wear and impact resistance, was recommended for the cells and corridors. Stonshield HRI, also a durable epoxy system, was suggested for the day rooms because it offers a textured, slip resistant surface along with a decorative finish.

Stonclad is installed over the substrate at ¼ inch thickness with coves applied up the walls at 4-inch radii. The coves make cleaning simpler and eliminate space for dirt and bacteria to become trapped.

Once decision makers found floors that would meet their requirements, they had another decision to make. How would the installation be run? Millhaven had an obligation to install the floors during a complex shut-down schedule that meant re-routing inmates while cell blocks were being



*After complete devastation of the institution's floors, Stonhard was able to provide a durable, long-lasting flooring solution.*

prepped and the floor was being installed. Repairs and construction work at a correctional facility leave an institution vulnerable, so, while Stonhard offered the right products, they also needed to provide flexible scheduling with experienced crews. Stonhard's reputation of skilled installation crews and scrupulous attention to project management gave Millhaven decision makers confidence and reassurance to move forward with Stonhard. Another consideration was the complexity of installing a poured floor. A maximum security facility like Millhaven will do all it can to prevent shutting down the facility for more time than absolutely necessary. Therefore, a long-term floor solution is a requirement, because this eliminates the need to repair or re-install floors after just a few years of service.

Stonhard's success at Millhaven won them additional work in the facility, including three service kitchens, more day rooms and corridors.

### *The Stonhard Difference*

Stonhard is the unprecedented world leader in manufacturing and installing high performance polymer floor, wall and lining systems. Stonhard maintains 300 product engineers and 175 application crews worldwide who will work with you on design specifications, project management, final walk through and service after the sale. And, Stonhard's single source warranty covers both products and installation.

