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National Gypsum's Hi-Abuse® BRAND XP® Wallboard

Revamping student living areas by offering updated housing options

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National Gypsum's Hi-Abuse XP Wallboard has found a new home in the dormitories of Case Western Reserve University in Cleveland, Ohio. When the university broke ground on the expansion of its North Residential Village in December 2003, it wanted to create the best environment for the 749 students who would live in its seven new residence houses.

The school initiated a lofty \$126 million residential project expansion, complete with apartment-style residence houses, a 1,200-car parking garage, a new field house, new locker rooms, a new track, an athletic field for varsity football and soccer and new baseball and softball fields.

Housing juniors and seniors, the North Residential Villages will include common rooms with fireplaces, kitchens, group study rooms and music practice rooms. The complex will also house a Starbucks coffee shop, a convenience store and laundry facilities.

Mike Spino, general superintendent for Marous Brothers Construction, was involved in the interior finishing of the dorm expansion at Case Western Reserve University.

"The University wanted a product that was well-built with a solid finish," said Spino. "The National Gypsum Hi-Abuse XP Wallboard is one of the best-quality boards we have worked with because it installs well, looks great and finishes well due to the purple coloring of the face paper, which ensures the painter will apply a nice finishing coat of paint. The chief estimator and I would use it on every job if we could."

After researching several abuse-resistant wallboard products, Spino and Marous Brothers selected National Gypsum's Hi-Abuse XP Wallboard, which provides extra protection against mold and mildew compared to standard wallboard products. The added durability and abrasion resistance made Hi-Abuse XP the perfect selection for the housing areas that required students to live in such close quarters.

Hi-Abuse[®] BRAND XP[®] Wallboard

Hi-Abuse XP Wallboard panels consist of a tapered edge, fire resistant Type X gypsum core encased in heavy, smooth, abrasion resistant, mold/mildew resistant, 100% recycled purple paper on the face side and 100% recycled heavy mold/mildew resistant liner paper on the back side. These elements combine to offer greater resistance to surface abrasion and indentation as well as mold and mildew compared to standard wallboard products.

“We selected Hi-Abuse XP Wallboard based on its cost, features and benefits,” said Spino. “While it was a little harder to cut than standard wallboard and a little heavier than standard wallboard, it installed very well and we are very pleased with its performance.”

“We wanted to use a product that would not only resist damage, but also decrease maintenance costs of repairing scuffs and dents on the wall surface of a high-traffic residential complex,” Spino continued.

The North Residential Village expansion is in the “cultural area” of Case Western Reserve University, near the museums, coffee shops, main academic buildings, recreational fields and other focal attractions of the University Circle.

Glenn Nicholls, vice president of student affairs, noted that the amenities included in the updated complex resulted from input gathered from a new Case Western Reserve University review process.

“Our students made it clear that they wanted a greater variety of housing options, particularly apartment-style housing for juniors and seniors,” said Nicholls. “We are thrilled to be able to accommodate the needs of our students and we are pleased with the results of the project.”

The North Residential Village was constructed with an emphasis on environmental sensitivity. The use of the Hi-Abuse XP Wallboard helped the complex become the first major residential facility in Ohio to be registered with the Leadership in Energy and Environmental Design (LEED) Council.

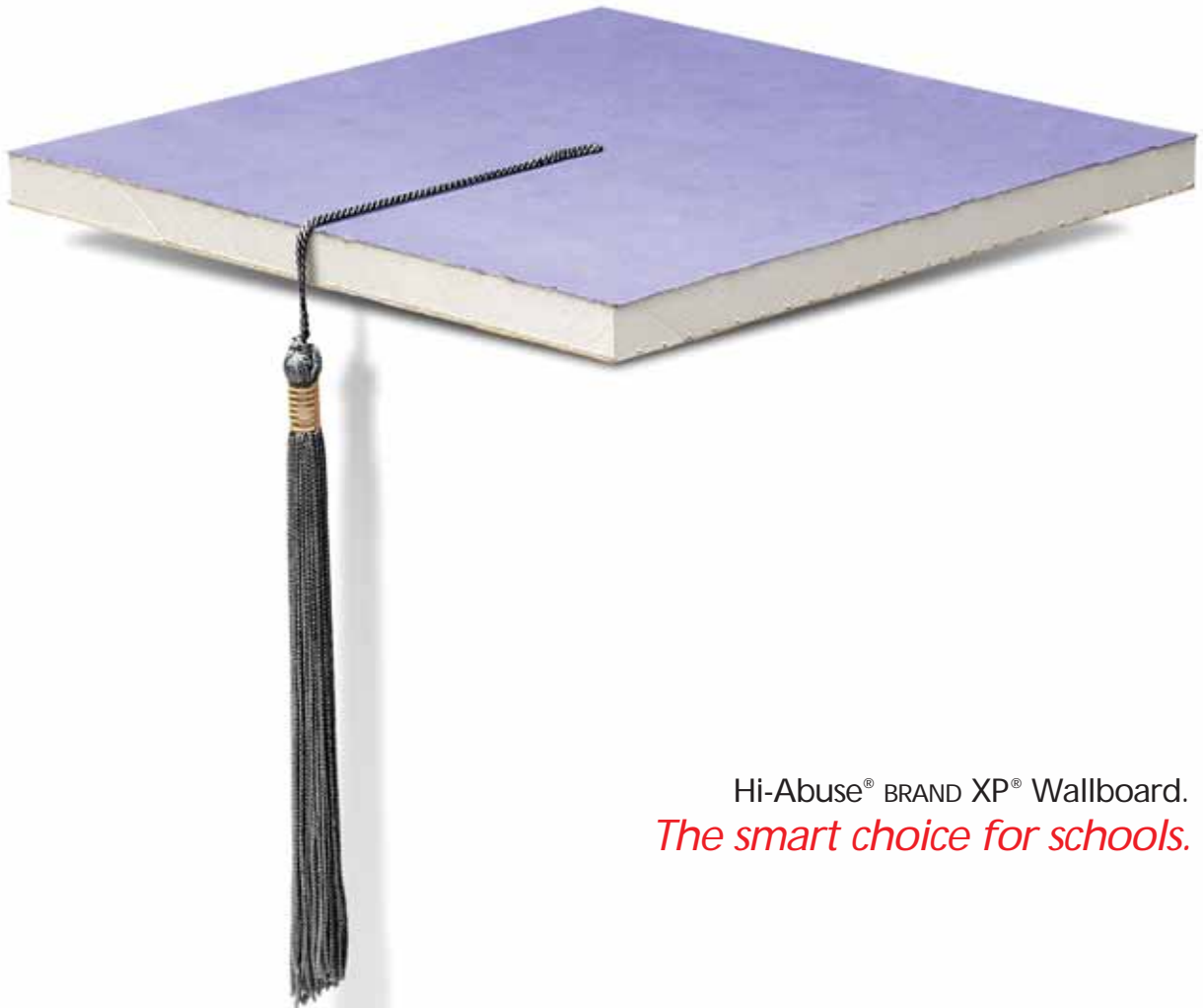
Don Kamalsky, assistant vice president for student affairs and director of housing for Case Western Reserve University, said, “We think the North Residential Village will be regarded among the best student residential facilities anywhere in the country. We fully expect the products and materials used in construction of the residential houses to provide students with the opportunity to enjoy the facilities for many, many years to come.”

As the Case Western Reserve University residential expansion proved, Hi-Abuse XP Wallboard is superbly suited for wall and ceiling assemblies in high-traffic, high-activity areas such as the North Residential Village residence halls. It is also well suited for classrooms, corridors, cafeterias, day care centers, correctional facilities and public housing. It can also be installed in industrial and commercial environments.

Hi-Abuse XP Wallboard is part of National Gypsum’s XP family of products, which also includes Hi-Impact[®] BRAND XP[®], Gold Bond[®] BRAND XP[®] Wallboard, Gold Bond[®] BRAND 1” Fire-Shield[®] Shaftliner XP[®] and ProForm[®] BRAND XP[®] Ready Mix Joint Compound. Collectively, these products provide cost-effective and powerful methods to prevent mold and mildew, while installing and accepting decoration more easily than paperless drywall panels. In short, National Gypsum offers the most comprehensive line of paper faced, abuse, impact, mold, mildew and moisture resistant drywall systems in the industry.

Hi-Abuse XP is a product that will not only resist damage, but also decrease maintenance costs of repairing scuffs and dents on the wall surface of a high-traffic residential complex.





Hi-Abuse[®] BRAND XP[®] Wallboard.
The smart choice for schools.

Some wallboard products resist abuse. Others fight mold and mildew. With Hi-Abuse XP, you get it all. Featuring a rugged gypsum core wrapped in heavy abrasion-resistant paper, it resists surface abuse as well as mold. Use Hi-Abuse XP for schools, dorms, sports facilities and other high-use areas. There's no smarter choice.

National 
Gypsum[®]

TECHNICAL INFO: 1-800-NATIONAL

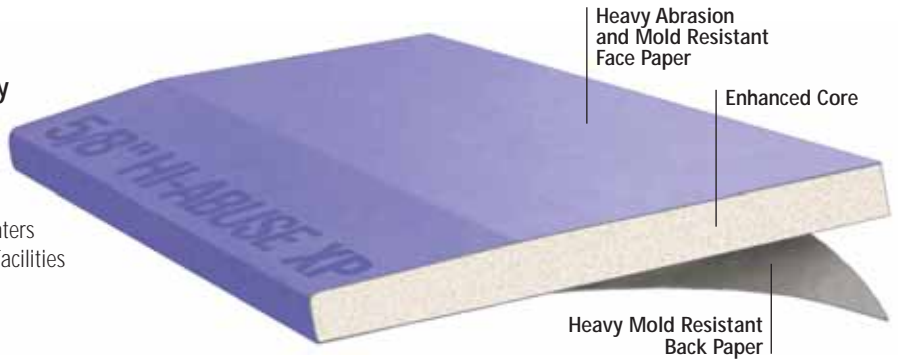
nationalgypsum.com

Excellence Across The Board[®]

Hi-Abuse[®] BRAND XP[®] Wallboard

Classification Level 2 — Moderate Duty

- Residential**
- Public Housing
 - Stairways
 - Garages
- Commercial**
- Public Areas
 - Corridors
- Institutional**
- Schools
 - Dormitories
 - Day Care Centers
 - Health Care Facilities



Description

Hi-Abuse[®] BRAND XP[®] Wallboard panels consist of a tapered edge, fire resistant Type X gypsum core encased in heavy, smooth, abrasion resistant, mold/mildew resistant, 100% recycled purple paper on the face side and 100% recycled heavy mold/mildew resistant liner paper on the back side.

Hi-Abuse XP Wallboard is designed to provide extra protection against mold and mildew compared to standard wallboard products. The panels feature a specially formulated core to provide greater resistance to surface indentation and abuse.

Applications

This unique wallboard is designed for use in wall assemblies in areas where surface durability, indentation, and mold/mildew resistance are major concerns. 5/8" Fire-Shield Hi-Abuse XP panels may be used where Type X gypsum panels are specified in fire-rated wall and floor-ceiling assemblies (e.g., UL U300, U400, V400 and L500 series).

Limitations

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided.
- Not recommended where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Must be stored off the ground and under cover. Sufficient risers must be used to ensure support for the entire length of the wallboard to prevent sagging.

Applicable Standards

- ASTM C 36/C 1396

Accessories

- Fasteners: drywall screws
- ProForm[®] BRAND Joint Tape
- ProForm[®] BRAND XP[®] Ready Mix or ProForm[®] BRAND Sta-Smooth[®]/Sta-Smooth[®] Lite Setting Compound
- Cornerbead, trims, casing beads
- Furring channels
- E-Z Strip control joints or .093 zinc control joints

FEATURES	BENEFITS
Encased in heavy, smooth, purple, abrasion, mold and mildew resistant, 100% recycled paper	<ul style="list-style-type: none"> ■ Resists the growth of mold per ASTM D 3273 with a score of 10, the best possible score for this test ■ Scuff and scratch resistant ■ Does not require the added strength of a setting type compound for joint reinforcement ■ Allows for same joint treatment reinforcement procedures as standard drywall, thereby reducing costs and the risk of improper installation ■ Accepts a wide range of decorative finishes ■ Provides standard drywall finish appearance
High density, fire resistant, Type X core	<ul style="list-style-type: none"> ■ May be substituted in fire rated wall and floor-ceiling assemblies requiring a Type X core ■ Indentation resistant ■ Transitions into drywall without the use of control joints
Easily scored and snapped	<ul style="list-style-type: none"> ■ Saves time by eliminating the need for special cutting tools and rasping of cut edges ■ Openings and outlet boxes are cut out in same manner as standard wallboard
Lightweight alternative to CMU	<ul style="list-style-type: none"> ■ Faster installation ■ Reduces cost of installation