

Product Description:

DUREX HIGH IMPACT is an exterior insulation and finish system with exceptional high impact resistance. The system consists of rigid extruded polystyrene insulation, insulation adhesive, galvanized steel furring channels and fasteners, reinforcing metal lath, trim accessories, scratch and base coats, and a finish texture coat which can be selected from any one of the available **Durex Architectural Coatings**.

Uses:

DUREX HIGH IMPACT is suitable for use over a wide range of structurally sound substrates. It is best suited for commercial low rise and residential multi-low rise buildings.

Advantages:

- exceptional impact resistance
- continuous thermal barrier
- non-combustible base coat (ULC rated)

Limitations:

DUREX HIGH IMPACT is not recommended for use over moisture sensitive substrates such as gypsum board, or for below grade application.

Application:

Prepare and mix primer, scratch and base, and finish coats in strict accordance with Durabond's printed instructions.

Apply all system materials in strict accordance with Durabond's printed instructions. Make provisions for all expansion/control joints required in the system.

If a membrane air barrier would be part of the **DUREX HIGH IMPACT** system install the membrane to the membrane manufacturer's printed instructions.

Install the insulation over the substrate with a full bed of compatible adhesive. Over the insulation install thermo-stud furring channels into pre-slotted cuts in the face of the insulation boards.

TECHNICAL DATA

SYSTEM COMPONENTS

INSULATION:

- XPS **type IV

LAMINA:

Reinforcement:

- Galvanized metal lath

BASE COAT:

- Durex Dryplast
- Durex Uniplast/Stucco Binder

FASTENERS:

- Durex "M" fasteners (masonry)
- Durex "W" fasteners (wood)
- Durex "S" fasteners (steel)

STANDARD/METHOD

CAN/ULC S701-97

ASTM 525-83

CAN/ULC S114 non-combustibility

CAN/ULC S114-89 - non-combustibility

ASTM B-117 - salt spray

DIN 50012 - SO₂ exposure

RESULTS

Min. 1.36 kg/m²

Rated non-combustible

Rated non-combustible
ULC Guide No. 40 U18.3.30

750 hrs. or better

25+ cycles

TECHNICAL DATA (cont'd.)

SYSTEM COMPONENTS

FINISHES:

- Durex Architectural Coatings (see also Group F)

STANDARD/METHOD

CGSB 1GP-162M

ASTM D822-91 - accelerated weathering

CAN/ULC S102 - flame spread

CAN/ULC S102 - smoke developed

CAN/ULC S102 - fuel contributed

RESULTS

Meets all requirements

Specimen did not blister, check, crack, chalk or change colour

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Less than 5

Less than 5

System Performance:

TEST

Fire protection:

Water vapour transmission

STANDARD/METHOD

CAN/ULC S101-89

ASTM E96-95

RESULTS

Rates as non-combustible cladding and non-combustible wall assembly

50.7 ng/Pa·s·m²

Building Code Conformance:

Classification: Durex High Impact wall system meets the requirements of CAN/ULC S114-(E136) and NBC (National Building Code) and OBC (Ontario Building Code) requirements for non-combustible cladding as per section 3.2.3.7.1(b).

Option Air or Air/Vapour Barrier: Durex High Impact can be installed incorporating a Durex Flex Seal or Durex Green Guard Plus air/vapour barrier, or Durex Flexcrete air barrier within the assembly. However, should an air/vapour barrier already be present in your wall system check with Durabond for recommendations on appropriate wall design for your project.

Install all required trim accessories over the installed galvanized steel furring channels. When trim accessories are in place, mechanically fasten reinforcing metal lath to the furring channels. Apply scratch coat to fully cover lath.

Over the cured scratch coat apply base coat, then the primer and then the finish texture coat.

Caulk all expansion/control joints in the **DUREX HIGH IMPACT** system.

Refer to the Durex Architectural Manual for further information.

CLEAN UP:

Clean all tools promptly after use with clean water. Do not allow mixes to dry on tools.

STORAGE:

Store all **DUREX HIGH IMPACT** components in a dry vented, waterproof location, stacked off the

ground with ambient temperatures above 5°C (41°F). Keep materials dry, protected from dampness and moisture and away from direct sunlight. KEEP FROM FREEZING.

WARRANTY:

Durabond Products Limited fully warrants their products when used and applied in strict accordance with the printed instructions on product mixing and product application. In any case **Durabond's** responsibility shall not exceed either the refund of the purchase price, or the replacement of the purchased product.

TECHNICAL SERVICES:

Technical assistance for unique applications and design is available upon request from **Durabond Products Limited**.

DURABOND

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