

## Product Description

AIR BARRIER NS-A250-LP™ is an elastomeric coating for Industrial and commercial Air barrier applications. AIR BARRIER NS-A250-LP™ is weather resistant, water-proof, vapour resistant, UV stable, eco-friendly, and safe to use. AIR BARRIER NS-A250-LP™ is a highly versatile elastomeric coating that is cold-applied using a spray system. With its unsurpassed ability to expand and contract, it can easily withstand all weather conditions.

## Features & Benefits

- AIR BARRIER NS A-250 LP™ coating can be used on almost any material, including concrete, precast, steel, and more.
- It elongates up to 486%, with 95% recovery
- This durable product can withstand temperature changes and surface shifts without becoming cracked or strained
- This product self-heals if it is punctured
- Environmentally friendly, and free of toxins and VOCs.
- Acts as a rain screen
- Seamless and monolithic membrane

## Storage & Use

- Mix each drum well prior to use.
- Ensure lids to drums are sealed, and air-tight prior to use.
- Do not store in direct sunlight max 32°C (90°F) or below 5°C (41°F).
- Avoid storing or using the product in temperatures below 4.5°C (40.1°F).
- AIR BARRIER NS -A250-LP™ is designed to serve a protective function rather than an aesthetic one.

## Applications

- Residential/ Commercial Mid/ High Rise
- Passive Homes

## Colour

**BLACK**

## Limitation

Mildly alkaline. Do not store in direct sunlight. Products should be stored max 32°C (90°F) or below 5°C (41°F). For spraying applications below 0°C (32°F) a winterized kit is required (Contact NaturaSeal representative for more information)

## Packaging

55-gal (205-L) drums  
265-gal (1000- L) Totes

## Coverage

AIR BARRIER NS-A250-LP™ is applied between 0.92 m<sup>2</sup>/litre (37 ft<sup>2</sup>/gal) to produce a 40 Mils DFT protective membrane. AIR BARRIER NS-A250-LP™ is firm to the touch in one (1) minute @ 20°C (68°F) and is completely cured in 24hrs. This curing time may vary depending on temperature and relative humidity. Typically an applicator crew can spray 8,000 ft<sup>2</sup> (743 m<sup>2</sup>) per day.

## Warranty

NaturaSeal warrants its products to be free of defects in materials but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, NaturaSeal makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to NaturaSeal products. NaturaSeal's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of NaturaSeal Products proven to be defective, and NaturaSeal shall not be liable for any loss or damage.

Please refer to our website at [www.naturaseal.com](http://www.naturaseal.com) for the most up-to-date Product Data Sheets.

Note: All NaturaSeal Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements

•Free of Flammable Solvents

•Non-toxic

•Odourless and Water Based

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### Corporate office:

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| PHYSICAL PROPERTIES                         | TEST METHOD | TYPICAL RESULTS (IMPERIAL) | TYPICAL RESULTS (METRIC)  |
|---|-------------|----------------------------|---------------------------|
| Specific Gravity (Liquid) g/cm <sup>3</sup> |             | 1 g/cm <sup>3</sup>        | 62.43 lb./ft <sup>3</sup> |
| Odour                                       |             | None                       |                           |
| VOC   | Method 310  | Contains no solvents       |                           |
| Colour                                      |             | Black                      |                           |
| % Solids                                    |             | 63%                        |                           |
| Viscosity, SSF                              |             | 25°C = 15-22               | 77 F = 15-22              |
| pH  |             | 9-11                       |                           |

| PERFORMANCE (CURED MEMBRANE)                           |   | TYPICAL RESULTS (IMPERIAL)        | TYPICAL RESULTS (METRIC)     |
|--|---|-----------------------------------|------------------------------|
| Specific Gravity                                       |   | 1 Kg/m <sup>3</sup>               | 0.062428 lb./ft <sup>3</sup> |
| Impact Resistance                                      | CSB 27-GP-56 @                                | 23°C = Passed                     | 73.4 F = Passed              |
| Water Tightness After Impact                           |   | Passed (No Leakage)               |                              |
| Tensile Adhesion Properties of Rigid Cellular Plastics | ASTM D1623                                    | Passed                            |                              |
| Tensile Strength                                       | ASTM D412, psi                                | 95                                |                              |
| Elongation %   | ASTM D412, psi                                | 486%                              |                              |
| Adhesion to Concrete Strength                          | ASTM C 907 (Amended to tensile adhesion), psi | 111                               |                              |
| Accelerated Weathering                                 | ASTM 155, D412                                | Passed (No Deterioration of Film) |                              |
| Low Temperature Flexibility                            | CAN.CSGB 37.58 – M86                          | No Cracking Observed              |                              |
| Air Permeance Criteria Specified                       | ASTM E2178-13                                 | 0.0002 cfm/ft <sup>2</sup>        | 0.0012 L/s.m <sup>2</sup>    |
| Air Leakage  | ASTM E2357-17                                 | 0.0251 cfm/ft <sup>2</sup>        | 0.1249 L/s.m <sup>2</sup>    |
| Water Penetration Resistance                           | ASTM E331-00                                  | Passed                            |                              |
| Water Vapour Permeance Specified                       | ASTM E96 – 16 (Water)                         | 0.07 US Perms                     | 4 Ng/PA.s.M2                 |
| Crack Bridging   | CAN/CGSB 37.58-M86 & ASTM C1305               | No Crack Bridging Observed        |                              |
| Biological Resistance                                  | ASTM E154, ASTM D412                          | Passed (>90% Original Value)      |                              |
| Self Sealability                                       | ASTM D1970                                    | Passed                            |                              |

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|                                     |                       |  |
|-------------------------------------|-----------------------|--|
| Standard for EIFS                   | CAN-ULC-S716.2        | Passed   |
| Standard for Air Barrier Assemblies | CAN-ULC-S742-11       | Passed A1  |
| Surface Burning Characteristics     | CAN/ULC-S102.2        | Less than 25 Flame Spread/ Less than 250 Smoke Development |
| Surface Burning Characteristics     | UL 723 (E84)/ Class A | Passed   |
| Fire Test Method                    | NFPA 285              | Passed – Contact NaturaSeal for further information        |

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