

# NC-II Base

PRODUCT BULLETIN  
**1017604**

**Uses**

1. For use with the Senerflex<sup>®</sup> Wall System to adhere expanded polystyrene insulation board to the following approved substrates: Dens-Glass Gold (ASTM C1177), Fiberock Aqua-Tough Sheathing, water-resistant core gypsum sheathing (ASTM C79/ASTM C1396), new and untreated Exposure 1 or exterior grade plywood Exposure 1 OSB, PermaBase cement-board, Wonder Board cement-board, Durock cement-board, Plycem cement-board, Harditex cement-board, and Eterspan cement-board (ASTM C1325 Type A Exterior).
2. To adhere expanded polystyrene insulation board to expanded polystyrene insulation board.
3. For use with Senerflex and Senturion I, II and III, Senergy Cement-Board Stucco™ System and all Senergy Surfacing Systems to embed CORNER MESH and SENERGY REINFORCING MESH.

**TECHNICAL INFORMATION**

Consult the Degussa Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy website, [www.senergy.cc](http://www.senergy.cc), for additional information about products and systems and for updated literature.

**MIXING**

1. Mix the contents of the NC-II BASE pail with a low speed drill and paddle mixer until thoroughly blended.
2. Clean, potable water may be added to adjust workability.
3. Additives are not permitted.
4. Close container when not in use.
5. Clean tools with soap and water immediately after use.

**APPLICATION**

**To adhere EPS to acceptable substrates or to other EPS:**

**NOTCHED TROWEL METHOD**—Apply mixed NC-II BASE to entire surface of insulation board using a stainless steel trowel with 10 mm x 10 mm (3/8" x 3/8") notches spaced 10 mm (3/8") apart.

-OR-

**RIBBON & DAB METHOD**—Apply a ribbon of mixed NC-II BASE approximately 50 mm (2") wide by 10 mm (3/8") thick to entire perimeter of each board with a trowel. Apply dabs or ribbons of 10 mm (3/8") thickness by 100 mm (4") in diameter, approximately 200 mm (8") o.c. to interior area of board.

**Note: Ribbon & dab method is not recommended on gypsum sheathing substrates or Dens-Glass Gold. Allow application of insulation board to dry (normally 8 to 10 hours) prior to application of NC-II BASE/Reinforcing Mesh.**

**DESCRIPTION**

100% acrylic polymer-based, non-cementitious base coat and adhesive that is factory-mixed and ready to use directly from the pail.

**PACKAGE**

27.2 kg per 19-liter pail (60 lbs per 5-gallon pail)

**COVERAGE**

Approximate coverage rates are as follows:

1. Adhere EPS insulation board to substrate:
  - 8.3 m<sup>2</sup> (90 ft<sup>2</sup>) per pail via notched trowel method,
  - 8.8 m<sup>2</sup> (95 ft<sup>2</sup>) per pail via ribbon & dab method
2. Embed FLEXGUARD 4:
  - 13.9 m<sup>2</sup> (150 ft<sup>2</sup>) per pail,
  - Embed INTERMEDIATE 12: 10.2 m<sup>2</sup> (110 ft<sup>2</sup>) per pail,
  - Embed HI-IMPACT 20 & FLEXGUARD 4: 6.9 m<sup>2</sup> (75 ft<sup>2</sup>) per pail
3. Adhere EPS insulation board to substrate and embed FLEXGUARD 4: 5.5 m<sup>2</sup> (60 ft<sup>2</sup>) per pail

Features	Benefits
Ready to use	No need to add cement
100% Acrylic base coat	Speeds application, eliminates the possibility of efflorescence, retains flexibility
Resealable	Produces minimal waste
Available in white	Keep hot walls cooler during finish application
Water based	Safe, non-toxic, clean up easily with soap and water

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## As a Base Coat for embedding Reinforcing Mesh:

Ensure Reinforcing Mesh is free of wrinkles and embedded in NC-II BASE so that no Reinforcing Mesh color is visible. Ensure Reinforcing Mesh is free of wrinkles. Allow NC-II BASE with embedded Reinforcing Mesh to dry hard (normally 8 to 10 hours) prior to application of Senergy Primer or Finish.

## LIMITATIONS

1. Protect Senergy materials during transportation and storage.
2. Store Senergy materials in a cool, dry place protected from freezing. Store at no less than 4°C (40°F). Protect from extreme heat and direct sunlight. Shelf life is two years when unopened and stored as directed.
3. Do not apply Senergy materials in ambient temperatures below 4°C (40°F). Provide supplementary heat during installation and drying period (at least 24 hours after installation and until dry) when temperatures less than 4°C (40°F) prevail.
4. Do not apply Senergy materials to frozen surfaces.

## HEALTH AND SAFETY

### Caution

Contains silica, crystalline quartz.

### Risk

Ingestion or inhalation of dust may cause irritation. Contains crystalline silica. NTP and IARC recognize respirable crystalline silica as a human carcinogen. Repeated or prolonged overexposure to free respirable quartz may cause silicosis or other serious and delayed lung injury.

### Precautions

Avoid contact with skin, eyes and clothing. Prevent inhalation of dust. Wash thoroughly after handling. Keep container closed. DO NOT take internally. Use only with adequate ventilation. Use impervious gloves, eye protection and if the TLV is exceeded or used in a poorly ventilated area, use NIOSH/MSHA approved respiratory protection in accordance with applicable Federal, state and local regulations.

### First Aid

1. For eye contact, flush thoroughly with water for at least 15 minutes.
2. For skin contact, wash affected areas with soap and water. If irritation persists, SEEK MEDICAL ATTENTION. Remove and wash contaminated clothing.
3. If ingested, do not induce vomiting medical advice. If conscious, drink plenty of water. If a person feels unwell or symptoms of skin irritation appear, consult a physician. If a person vomits, place him/her in the recovery position. Never give anything by mouth to an unconscious person.
4. If inhaled, remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. SEEK MEDICAL ATTENTION.

**Read Material Safety Data Sheet before using this product.**

### PROPOSITION 65

This product contains materials listed by the state of California as known to cause cancer, birth defects or other reproductive harm.

### VOC Content

4 g/l, or 0.03 lbs/gal less water and exempt solvents.

**For medical emergencies only call chemtrec at (800) 424-9300.**

## RESIDENTIAL POLICY

On one and two-family residential framed construction, Degussa Wall Systems, Inc. requires that the wall system selected be one that includes provisions for moisture drainage. The choices include Senturion® line of water managed EIFS, commercial Senerflex® Wall Systems integrating moisture management features, Senergy Stucco Wall System, and Senergy Cement-Board Stucco™ Systems. Senergy Exterior Surfacing Systems for insulating concrete forms are also acceptable. There are no exceptions to this policy. Under no circumstances will Degussa Wall Systems, Inc. warrant the use of any other system on this type of construction without expressed written authorization from Degussa Wall Systems, Inc. [Residential construction using EIFS on masonry (CMU) or poured concrete does not require the additional water management provisions described above.]

See the Senergy *Residential Policy Bulletin* for a more detailed discussion of this topic. Consult Degussa Wall Systems Technical Services Department for specific recommendations concerning all other applications. Consult the Senergy web-site, [www.senergy.cc](http://www.senergy.cc) for additional information about products and systems and for updated literature.

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