



Neopor® Facer and Packaging Bulletin

Best Practices for polymer facers and packaging

Overview:

External factors, such as solar energy conveyed via reflective surfaces under clear packaging can create excessive heat build-up within insulation products made of Neopor® GPS foam.

Excessive heat-build-up can damage the insulation. Precautionary measures taken in the facers, packaging, storage, transportation and installation of insulation products can greatly help minimize the potential for damage.

Avoid All Clear Films:

Transparent polymer facers, clear plastic packaging, clear wrapping film and clear adhesive tape should not be used with products made of Neopor®.

Polymer Facers & Perforations:

When polymer facers are to be used on insulation made of Neopor®, we recommend a metalized facer, or a white opaque polypropylene film with a minimum of 70% opacity to help minimize heat buildup that can occur under clear facers. With regards to facer suppliers, **Adlam Films** has

identified a product called 2.2mil WOPP which is a white opaque base polypropylene film. The film can be flood colored to customize according to your brand and films color preference. Perforations allows for foam insulation vapor to permeate. This includes residual pentane gas as well as moisture. The minimum number of perforations is 30 holes per square inch. Each hole measuring 1,000 microns in size. **Robert A. Main & Sons Manufacturing, LLC** sells perforation rollers for lamination equipment.

Insulation aging for lamination with and without perforations:

Block aging is critical for dimensional stability as well as residual pentane release. For lamination where no facer perforation is used the minimum block aging of 5 days at 1.0 pcf. is recommended and 1 additional day per 0.2 pcf. increase in density. For perforated films we recommend the minimum of 5 days of aging at any density.

Polymer Packaging:

When polymer bags are to be used for protection of insulation we recommend a white opaque 2 mil monolayer bag with a minimum of 70% opacity and UVI protection such as the one supplied by **Advance Packaging Technologies**.

Stretch Wrap:

For film or stretch-wrap, we recommend a white opaque film from U-Line part number "S-6019".

Jobsite Storage & Installation:

When storing insulation products on the job site care should be taken to keep exposed foam protected from reflected sunline or prolonged solar exposure. During the construction process, avoid leaving Neopor® foam surfaces uncovered in areas where 'reflective solar energy' is expected to be present such as near metal or glass reflective surfaces.





Reference:

CAUTION: KEEP UNUSED INSULATION BOARDS PROTECTED INSIDE THE ORIGINAL PACKAGING.



Neopor-Insulation.com

AVISO: MANTENGA ESTE PRODUCTO PROTEGIDO, CUANDO NO EN USO MANTENGA INSULACION DENTRO DE ESTE EMPAQUE ORIGINAL.

Protective packaging caution language

Adlam Films

Product Code; 2.2 WOPP, 2 COLOR, (SEAMLESS SLEEVE W/KNOCKOUTS)

Advance Packaging Technologies

Product code Std packaging: NEO5016134
Product code EIFS packaging: NEO25.52078

Robert A. Main & Sons Manufacturing, LLC:

<http://www.ramsco-inc.com/>

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