

# NOXITE® ROOFING GRANULES



## Commercial Product Data Sheet

### Product Description

Siplast Noxite® Roofing Granules are the granules factory applied to the surface of Siplast Eco-Activ® roof membranes. Noxite Roofing Granules decompose airborne pollutants into non-toxic by-products when combined with sunlight (UV radiation). Noxite Roofing Granules are similar in size and shape to standard Siplast No.11 Roofing Granules.

Noxite Roofing Granules are treated with Noxite, a material based on titanium dioxide (TiO<sub>2</sub>) in anatase form. The Noxite treatment substantially reduces concentrations of airborne pollutants such as volatile organic compounds (VOCs) and nitrogen oxides by photocatalysis. The non-toxic reactants are washed away by rain as low concentration mineral water. The decomposition reaction with Noxite is catalytic; therefore, the depolluting action is effective for the life of the Siplast Eco-Activ granule-surfaced membrane.

### Product Availability

The following Siplast granule-surfaced membranes are available as standard order Eco-Activ products with Noxite granules.

- Paradiene 30 FR
- Paradiene 30 FR TG
- Parafor 30
- Parafor 30 TG

Contact Siplast for availability of other Siplast Eco-Activ membranes.

Noxite Roofing Granules are also available in a 5-gallon pail.

### Technical Data and Recognition

The principle of air depollution and the self-cleaning effects of anatase TiO<sub>2</sub> have been known since the 1970s. In the last decade, this technology has been utilized in the concrete and coatings industries for these purposes.

The Siplast Eco-Activ concept for granule-surfaced roofs has been recognized by the CSTB as an environmental protection innovation in the field of roof membranes under Pass-Innovation Report 2009-016. Testing to validate the reduction of air pollutants was carried out by the CNRS (National Scientific Research Center).

### USGBC LEED® Program

Siplast Eco-Activ roof membranes with Noxite surfacing may contribute toward a LEED point in Innovation & Design under a sustainable design strategy outside of the standard LEED categories and credits. This may include Eco-Activ membranes supporting a strategy for exceptional performance in air-pollution abatement to reduce the organic and inorganic substances that form air pollution.

### COMMERCIAL PRODUCT INFORMATION

Units: Siplast Eco-Activ roll roofing products as described under product availability.  
5 Gallon Pail (19 liters)

Size: Similar to Siplast No. 11 Roofing Granules

Color: Eco-Activ Off-white

Packaging: The pails are stacked three high on pallets and stretched wrapped.

Pallet: 36 in x 48 in (91 cm x 122 cm) wooden pallet  
Number Pails Per Pallet: 36  
Number Pallets Per Truckload: 22  
Shipping Weight Per Pail: 65 lb (29.5 kg)

### Storage and Handling:

All Siplast roll roofing products should be stored on end on a clean flat surface. Care should be taken that rolls are not dropped on ends or edges and are not stored in a leaning position. Deformation resulting from these actions will make proper installation difficult. All roofing should be stored in a dry place, out of direct exposure to the elements, and should not be double stacked. Material should be handled in such a manner as to ensure that it remains dry prior to and during installation.

All containers of Siplast Noxite Roofing Granules should be stored upright on a clean, flat surface. Care should be taken that containers are not dropped and container seals are not broken prior to use. All containers should be stored in a dry place, out of direct exposure to the elements.

*Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).*

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