

RedcoLite®

High Shear Value Roof Deck Systems

A premium PERLITE product by
REDCO II

PRODUCT
INFORMATION
BULLETIN

500

HIGH SHEAR VALUE ROOF DECKS USING REDCOLITE PERLITE INSULATING CONCRETE

RedcoLite Perlite Insulating Concrete Roof Deck Systems offer all of the following features:

- **High Seismic Shear Values**

Values as high as 1520 pounds per linear foot in composite steel deck assemblies

- **Lightweight**

Entire assembly less than 10 lbs. per square foot, including steel deck.

- **Excellent, Economical Insulation**

R-22 using 4" of Expanded Polystyrene Board "Sandwiched" in perlite insulating concrete. Higher values available with increased EPS Board thickness. Insulation value lasts life of building.

- **2 Hour Fire-Rating**

Requires no fireproofing on underside of steel deck. RedcoLite perlite is inorganic and non-combustible.

- **Ideal Roofing Substrate**

Perlite Concrete is smooth and monolithic. Roofing membrane may be attached by nails, staples, mopping, or ballast. Excellent roofing base over structural concrete.

- **Provides Slope to Drain**

Sloped to drain by deck contractor during application. Substrate can be level. Excels when applied to steep and curved surfaces.

- **Durable and Permanent**

Unaffected by roofing leaks. Easily re-roofed as necessary.

- **Low Water/Cement Ratio**

RedcoLite Insulating Concrete has a lower water/cement ratio than other types of insulating concrete. This provides for less drying shrinkage and quicker drying times.