

Solar Reflectance Index (SRI) In relation to Pervious Concrete

29 or greater = Acceptance level for achieving SRI levels acceptable for LEED

Pervious because of its uneven surface (with hills & valleys) creates shadows. This makes it appear somewhat darker than traditional concrete pavement.

Tests on pervious concrete pavement have delivered SRI numbers both higher and lower than 29.

Pervious concrete pavements with 25% slag replacement for cement have consistently tested above the 29 mark.

White Portland Cement also significantly raises the SRI numbers.

The soybean cure for pervious concrete has also successfully been seeded with a color agent when sprayed on the surface leaves a white film. It can be sprayed on a pervious pavement at any time for color addition or a refresher. More information can be attained from Jim Miller, (317) 758-4777, C2 Products, Inc.

The Portland Cement Association commissioned CTL to study the SRI of pervious concrete. That study began approximately in 2006. The study is completed but not yet published as of Nov. 2008. It is expected to be released soon.

Portland Cement Association (847) 966-6200.
CTL (847) 965-7500

Pervious Links & Resources:

www.nrmca.org National Ready Mixed Concrete Association

www.perviouspavement.org also National Ready Mixed Concrete Association

www.cement.org Portland Cement Association

www.concrete.org American Concrete Institute (Committee 522 Pervious Concrete)

John Kevern is a great Pervious Resource:

John T. Kevern Ph. D. E. I. T. (used to be at Iowa State Univ., did research on Pervious Concrete)

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