

TECHNICAL BULLETIN

TARGET MARKET ROOFING



BUILDING TRUST



Subject: Polyisocyanurate Insulation Board Thickness

21-07

Sika Sarnafil supports the practice of installing polyisocyanurate insulation boards in multi-layer, staggered joint configurations (12", 30.5 cm minimum stagger) within Sarnafil® and Sikaplan® roofing systems to reduce thermal loss at insulation joints and minimize the effects of thermal bridging.

In such configurations, the maximum thickness of the top layer of polyisocyanurate insulation board directly below the Sika roofing membrane shall not exceed 3.1" (78 mm) without the use of a coverboard. The thickness of the insulation can be increased up to 4.5" (114 mm) when covered with a Sika approved gypsum coverboard or high density polyisocyanurate roof board. Please refer to the table below.

Build-Up		
Gypsum Coverboard/HD Roof Board	Yes	No
Insulation - Top Layer	≤ 4.5" (114 mm)	≤ 3.1" (78 mm)
Insulation – Subordinate Layer(s)	≤ 4.5" (114 mm)	≤ 4.5" (114 mm)