

NAILBASE NO. 4007

SUBJECT: FASTENING TO CONCRETE

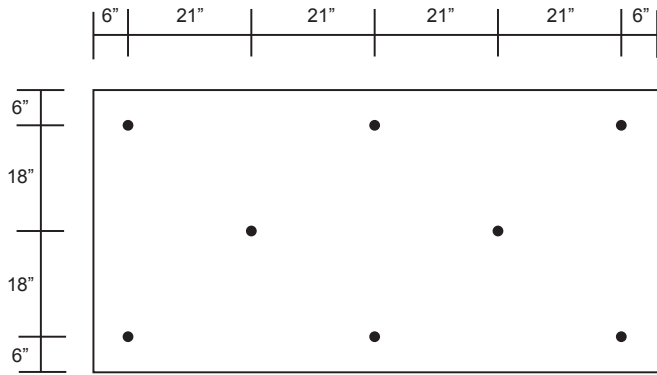
DATE: MAY 2012 (REVISED JANUARY 2019)

Minimum fastening requirements for R-Shield® Nailbase attached to concrete with Hilti X-U power actuated fasteners have been developed in cooperation with Hilti. Various numbers of fasteners per 4' x 8' R-Shield Nailbase panel provide for a range of allowable loads that R-Shield Nailbase could support when installed flush over a concrete. Examples of uniformly distributed loads that R-Shield Nailbase could support include gypsum board or other interior finish materials. Non uniform loads from cabinets, interior fixtures, or plant equipment are not covered in the table and shall be supported using additional fasteners attached to the concrete.

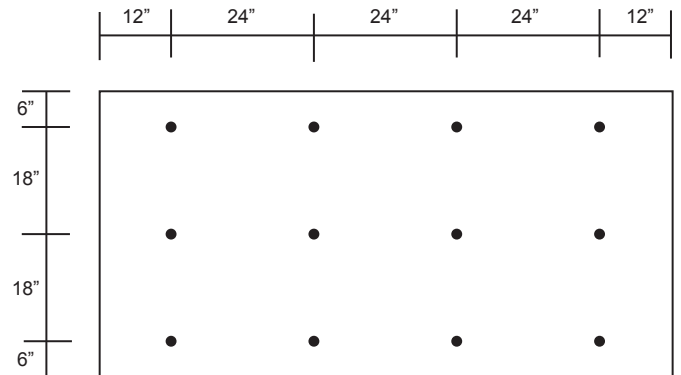
R-Shield Nailbase Walls - Uniformly Distributed Loading attached with Hilti X-U72 S36 fasteners into Concrete¹⁻⁵	
Number of Fasteners	Allowable Load, psf (kPa)
8	15 (0.71)
12	23 (1.08)
16	30 (1.41)
24	45 (2.12)

1. Applicable to 4' x 8' R-Shield Nailbase up to 2" thick.
2. The minimum distance from the fastener to any edge of the face of the wall is 6".
3. Values do not consider the application of positive or negative pressures (such as wind).
4. Please refer to page 2 of this bulletin for fastening patterns.
5. Building Codes may require special inspection of anchors installed in concrete. For compliance with these requirements, it is necessary to contact the local and/or regional authority having jurisdiction.

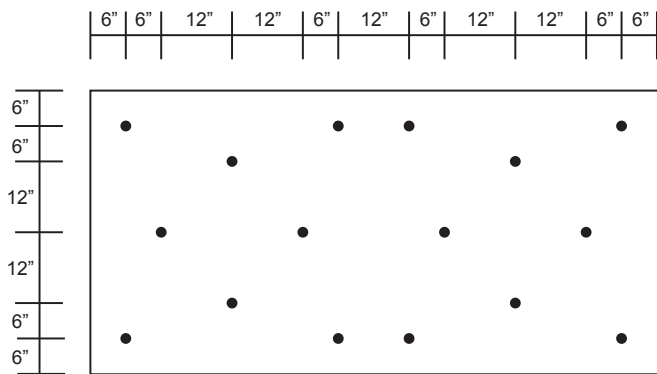
FASTENING PATTERNS FOR 4' X 8' NAILBASE



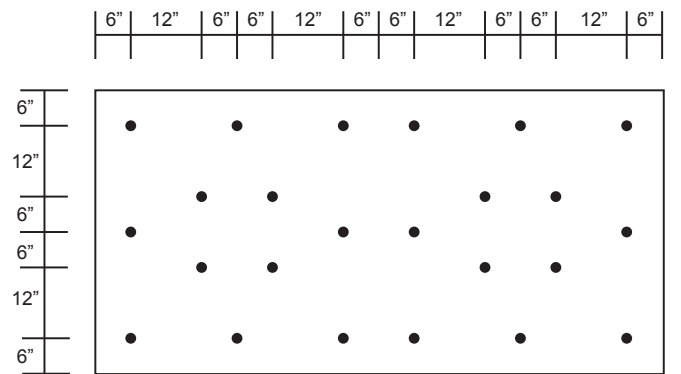
8 FASTENERS/BD.



12 FASTENERS/BD.



16 FASTENERS/BD.



24 FASTENERS/BD.