

SEMICONDUCTOR CLEANROOM MEP IMPROVED UNIVERSAL MOUNTING SYSTEM

Solid vibration composite vibration plate for passive vibration isolation
MEP Pedestal system

HILTI Epoxy Application

Low Profile MEP Pedestal*

- Reduce Construction Vibration
- Skip the Containment bubble process
- Reduction of labor and construction costs while maintaining production yield during tool ramp up operations

No Containment Bubble!

No Drilling!

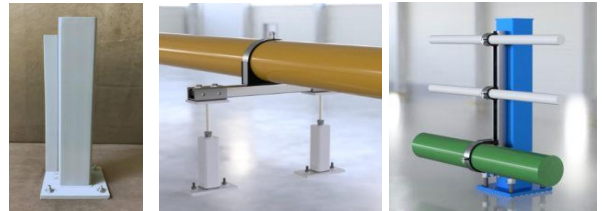
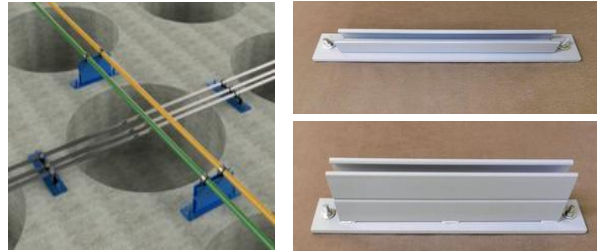
No Mess !

Epoxy Application

Easy to Install

Labor & Cost Saving

*Hilti Epoxy Pull test specification available upon request



CONTACT

contact@nxgeneration.com

www.nxgeneration.com

Phone (254) 200-1170

Providing the Competitive Edge Through Improved Vibration Isolation.

Patented Solid Composite Vibration Isolation Plate improves vibration isolation, amplitude reduction, and vibration regularization.

Different MEP Contractors may use dissimilar means and methods to secure MEP tool hook-up Lines.

❖ A unified system avoids situations of dissimilar MEP Lines underneath the elevated Cleanroom flooring.

Mechanical, Electrical, Plumbing Universal Mounting System

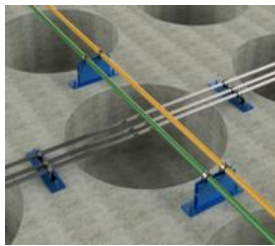
Coated with a high performance, high solids two component, exterior/interior, low VOC, polyester aliphatic urethane coating. Provides excellent chemical resistance and color retention.

Low Profile Floor Mount *



MEP LPF-C Base 3" Wide x 2" Height - 3/8" Plate

Part #	Length	U-Joint
LPF-C-12	12"	8"
LPF-C-16	16"	12"
LPF-C-20	20"	16"
LPF-C-24	24"	20"

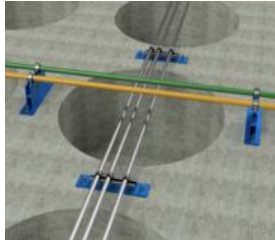


Low Profile Floor Mount, Double Stack *



MEP LPF-3/8-CDBL Base 3" Wide - 3/8" Plate

Part #	Length	U-Joint	Height
LPF-CDBL-12	12"	8"	3-1/4"
LPF-CDBL-16	16"	12"	2-3/4"
LPF-CDBL-20	20"	16"	6-1/2"
LPF-CDBL-24	24"	20"	4-7/8"



Low Profile Floor Mount Adjustable Pedestal *



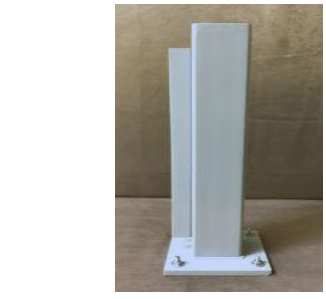
MEP LP FLR-T2S Base 3" Wide - 3/8" Plate

(Shown in Twin Configuration with U-Channel Bridge)

Part #	Height	U-Joint
LPFLR-T2S-US-8	8"	12"
LPFLR-T2S-US-10	10"	21"
LPFLR-T2S-US-12	12"	24"



Upright Floor Mount *



Pedestal -HSS 3"x3" MEP FLR-T4S Base 8"x8" - 1/2" Plate

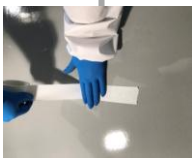
Part #	Length	U-Joint
FLR-T3S-16	16"	11-1/2"
FLR-T3S-19	19"	14-1/2"
FLR-T3S-22	22"	17-1/2"



* **HILTI** Pull Test Epoxy Specification Available

Withstanding load and performance expected to vary per conditions. Load to be verified.

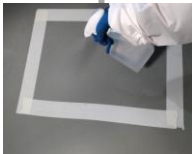
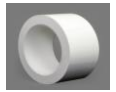
Surface Preparation for HILTI RE-100 & 500 V3 Epoxy Application for Cleanroom Use Only Cleanroom approved materials and methods for application



Step 1

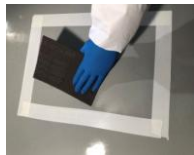
Prepare attachment site.

Use of clean room masking tape, mask off project area for MEP Pedestal Hilti Pull text procedures.



Step 2

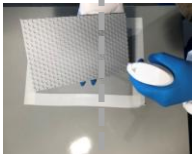
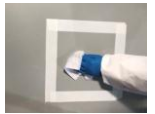
Spraying down all preparation area using Isopropyl Alcohol.



Step 3

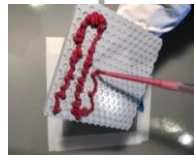
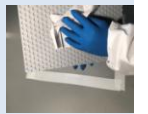
Using a 3M Scotch-Brite Ultra Fine Abrasive Pad roughing up the Epoxy coated area using close wise motion back and forth until entire area is uniformly prepared.

Step 2 Repeat



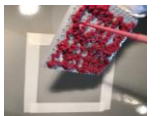
Step 4

Is spraying bottom of MEP Pedestal with Isopropyl Alcohol and then wipe dry area using clean room approved wipe cloth. Allow 3min for drying and Verify. (Disposed all waste material per cleanroom protocol)



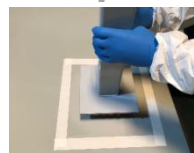
Step 5

Apply Hilti RE- 100 or 500 V3 to bottom of MEP Pedestal in an "S" pattern with 1/2" apart from left to right top to bottom pattern, and also Vertical lines going from top to bottom 1/2" apart. Resulting in a checker pattern.



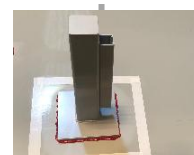
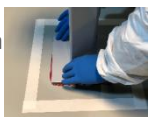
Step 6

After applying the Hilti RE- 100 or 500 V3 run a 8" plastic trowel over the epoxy going vertical from top to bottom. Then do the same thing going the other way horizontal left to right uniformed coverage.



Step 7

After applying the Hilti RE- 100 or 500 V3 set MEP Pedestal down on the sanded area and applying 30 LBS to 40 LBS of pressure holding it down with even pressure until the epoxy comes out on the sides without any avoids on contact surface.







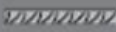







Step 8

After applying the Hilti RE- 100 or 500 V3 PLEASE SEE ATTACHED HILITI CURING TIME CHART for proper cure time, prior to attaching MEP items.


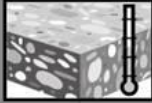







Surface Preparation for **HILTI RE-100 & 500 V3 Epoxy Application for Cleanroom**
Use Only Cleanroom approved materials and methods for application

Curing Time Chart

HILTI HIT-RE 100 V3

			  t_{work}	  $t_{cure, ini}$	  $t_{cure, full}$
	[°C]	[°F]			
	5	41	2½ h	≥ 18 h	≥ 72 h
	10	50	2 h	≥ 12 h	≥ 48 h
	15	59	1½ h	≥ 8 h	≥ 24 h
	20	68	30 min	≥ 6 h	≥ 12 h
	30	86	20 min	≥ 4 h	≥ 8 h
	40	104	12 min	≥ 2 h	≥ 4 h

HILTI HIT-RE 500 V3

			  t_{work}	  $t_{cure, ini}$	  $t_{cure, full}$
	[°F]	[°C]			
	23	-5	2 h	48 h	168 h
	32	0	2 h	24 h	36 h
	40	4	2 h	16 h	24 h
	50	10	1.5 h	12 h	16 h
	60	16	1 h	8 h	16 h
	72	22	25 min	4 h	6.5 h
	85	29	15 min	2.5 h	5 h
	95	35	12 min	2 h	4.5 h
	105	41	10 min	2 h	4 h

***HILTI Pull Test Epoxy Specification Available**

Withstanding load and performance expected to vary per conditions. Load to be verified.