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Clean Room Sticky Mats by Nicholas

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Clean rooms are rooms that are used for chemistry, artwork, engineering, biology and other situations where it's highly important that no contaminants affect the substances and tools being worked with. In the case of chemistry for instance, it wouldn't take much for the delicate balance to be tipped by a particle in the air which could affect the results of an experiment or even result in a serious accident.

To this end clean rooms will use all kinds of systems in order to keep the air as free from contaminants as is humanly possible. This is where sticky mats come in which serve just such a purpose. Sticky mats are multi-layered clean-film filled adhesive layers which form mats that can capture dirt. These mats are much stickier and more effective than your regular doormat, using an actual adhesive that can grip to things more in the way that glue or bluetack does. These then can peal in order to be refreshed over time, and the idea is that by leaving them in the doorway or somewhere else in a cleanroom you will be able to collect a lot of dirt and other unwanted molecules as they enter the room. For instance someone stepping onto a cleanroom will have much of the dirt and dust stripped from the bottom of their shoe so that they don't trample it into the room. Likewise if someone were to push something with wheels into the room, then these too would be cleaned by the clean room sticky mats.

The easiest comparison to draw is how you might clean dog or cat hairs off of your clothes using some tape â€“ and by sticking this to your clothes it is possible to pick up a lot of the hairs and thereby leave you clean. This would then mean likewise that those hairs didn't fall off into the rooms. Of course though sticky mats are much more effective than just using tape on the bottoms of your shoes and will be able to remove up to 95% of particles down to .30 of a micron which then means that you will remove things far too small to see. Anything that doesn't come off of your shoes at this point will be attached too solidly to present a problem anyway.

Because sticky mats are situated in prominent places this also means that no time is spent cleaning and you won't have people forgetting that they need to use them â€“ as soon as they stand on the sticky mats as they enter the room they will do their job and this will then enable them to carry on working without pausing at all.

At the same time though these sticky mats will also collect lots of dirt and particles in the air simply by remaining on the floor. The reason for this is that they particles and dust will settle over time â€“ and of course any of the particles and dust that settle on the sticky mats won't be becoming unsettled again anytime soon. These particles which might include dead skin cells, tiny bugs, specks of dust and even bacteria, will be trapped in position where they can't interfere with what you are doing.

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Nicholas - About Author:
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