



NPCE

National Precast Concrete Association

precast.org

TRANSIENT DUST

every year

500+

construction workers

DIE



from lung cancer

caused by silica dust alone

THAT'S

10

PEOPLE

EVERY WEEK



envirocare

CONSTRUCTION DUST

44%

of construction workers
think the industry puts

VERY LITTLE

priority into the control of
CONSTRUCTION DUST

ONLY
1 in 3

workers are provided
correct extraction



3 CLASSES FOR DUST EXTRACTION

- L Class – soft wood and low-grade aggregates
- M Class – hardwood, brick dust and concrete work
 - This is where our precast plants fall under
- H Class – especially hazardous such as mold, asbestos and chemical bacteria



Wood



Concrete
saw dust



Batch mix dust

DUST CREATION AT THE JOBSITE



Jack Hammer



Saw cutting



Grinding

DUST CONTROL TOOLS AND METHODS



Vacuuming – Use HEPA Filtered, OSHA approved



Wet Sweep – spray a water mist to keep dust down while sweeping



Saw with Vacuum attachment

DUST CONTROL TOOLS AND METHODS CONTINUED

- Dividers are a great way to limit the spread of dust between work areas



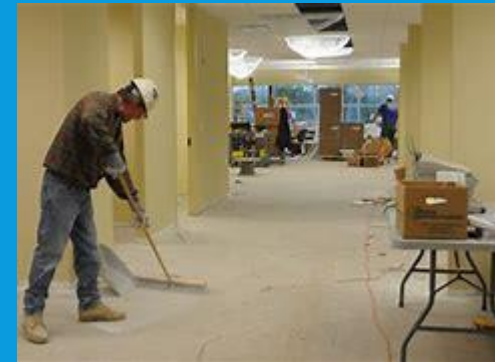
DUST CONTROL TOOLS AND METHODS CONTINUED

- Proper signage around your facility can go along way.
 - Direct the flow of traffic to minimize dust
 - Ensure all machinery maintain proper speed limits



HOUSEKEEPING

- Good housekeeping will help mitigate the affects of dust
 - Keep areas free of trash
 - Only keep the tools and equipment that you need in the area to help prevent dust build up
 - Sweep
 - Vacuum



AS ALWAYS PPE!



Goggles



Glasses



Masks

MORE PPE OPTIONS



3M

Cartridge

PPE is required on all job sites and it is even more crucial when it comes to dust control. Proper dust masks, safety glasses, goggles, and a filtered dust mask when required, are all helpful in the prevention of dust-related injury.

WATER OR SYNTHETIC?

- Water has been used for dust control all over
 - Make sure proper nozzles are installed on your spraying medium
- Depending on your environment a synthetic solution may be a better answer



DUST CONTROL FOR ROADWAYS

- KEEP WATER DOWN
 - UNPAVED ROADS WILL NEED MORE FREQUENT WATERING
- A SWEEPER OR VACUUM CAN BE USED ON PAVED ROADS



SAFETY FIRST

**BE CAREFUL
BE AWARE
BE SAFE**