

Coated Abrasive Fiber Disc Safety and You!

Coated abrasive discs have an excellent safety record with few reported disc breakages and personal injuries. However, breakages and personal injuries should and can be prevented. As with most accidents operator error is a major factor, following established safety rules will reduce the probability of any such occurrences. Please review and follow the safety tips listed below.

Coated Abrasive Fiber Disc Storage

Temperatures and humidity are the two very important factors influencing coated abrasive performance and safety. Improper or inadequate storage can damage discs making them unsafe. Backings and adhesives are sensitive to climatic changes and will gain or lose moisture according to the relative humidity of their surroundings.

Excessive humidity may cause the fiber backing of a disc to absorb excessive moisture. This increase in moisture may cause the disc to curl up (convex shape like a taco shell) called cupping. Disc that are cupped or curled up should never be used. A disc in this condition may snag on the work-piece causing it to break. Another potential hazard is that excessive moisture could cause the adhesive bond to soften and cause the disc to suddenly shed or loose large amounts of abrasive grains.

Excessive dryness may cause the disc to curl or arch down in a concave manner and become brittle and lose its flexibility. In short, high and low humidity's can cause concave and convex cupping respectively.

To keep your disc flat and safe please follow the list of the proper storage requirements for coated abrasive discs.

- Store abrasive disc at 40-60% relative humidity and 60-80° F (15 to 29° C).
- Coated abrasive disc must be stored at least four inches (10 or more centimeters) above the surface of concrete floors, away from open windows, out of direct sunlight and away from heat sources such as radiators, steam pipes, and air conditioner exhaust vents.
- Protect coated abrasive discs from exposure to water or other fluids/solvents.
- Always follow any abrasive manufacturer's storage instructions.
- Never use hooks when handling or transporting coated abrasive containers.
- Do not drop or in any way damage the coated abrasive packaging.
- Rotate stock, use on a first-in, first-out basis.
- Store coated abrasive discs in their original packaging.



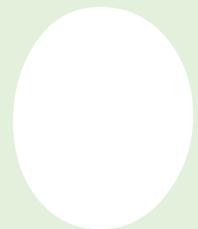
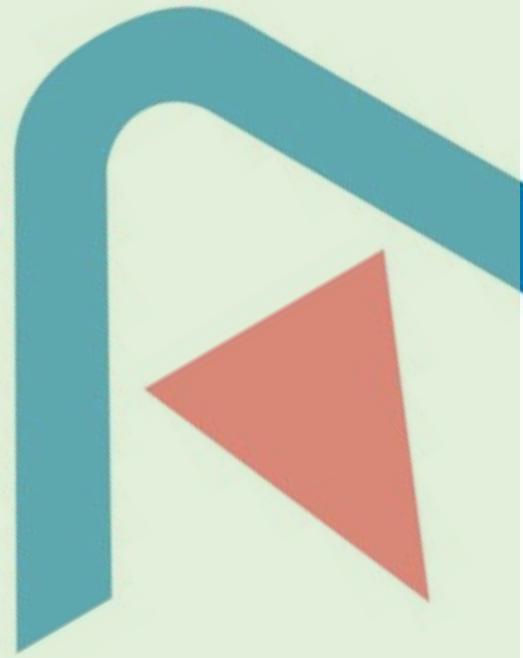
**Flat Fiber Disc, Stored
in Right Conditions**



**Concave Fiber Disc,
Stored in Dry Conditions**



**Convex Fiber Disc, Stored
in Humid Conditions**



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WHATEVERY SURFACE NEEDS