

Attachment 2 Permissible Exposure Limits of Dusts in Air

Type	Dust	Permissible Exposure Limits		Symbol	CAS No.
		Respirable dust	Total dust		
Dust 1	Mineral dust containing equal to or more than 10% crystallinefree silica	10 mg/m^3 $\% \text{SiO}_2 + 2$	30 mg/m^3 $\% \text{SiO}_2 + 2$		14808-60-7; 15468-32-3; 14464-46-1; 1317-95-9
Dust 2	Mineral dust containing less than 10% crystallinefree silica	1 mg/m^3	4 mg/m^3		
Dust 3	Asbestos fiber	0.15 f/cc		Tumor	1332-21-4; 12001-28-4; 12172-73-5; 77536-66-4; 77536-67-5; 77536-68-6; 132207-32-0
Dust 4	Nuisance dust	Respirable dust 5 mg/m^3	Total dust 10 mg/m^3		

Instruction:

1. Any Permissible Exposure Limits stipulated in the Attachment refer to the time weighted average concentration of an 8-hour workday.
2. Respirable dusts refer to the dusts to be determined from the fraction passing a size-selective dust sampler with the characteristics of centrifugal elutriators.
3. Total dusts refer to the dusts to be determined from airborne samples without using particle size selector.
4. Crystallinefree silica dusts refer to Quartz, Cristobalite, Tridymite, Diatomaceous Earth.
5. Asbestos dusts refer to the dusts with fiber length more than 5 microns and aspect ratio (length-width ratio) more than 3.