



Brief & practical: Where dust is generated, it must be contained. Partitions and protective screens help to secure work areas in a targeted manner and minimise emissions.

Partitions and protective guards only work when they **targeted, correctly positioned and maintained** be. A **systematic approach** saves time, protects employees and reduces dust emissions.

1

Analyse dust source

- ▶ **Where is dust generated?** Machines, material storage, packaging.
- ▶ **Who is affected?** Employees, adjacent areas, visitors.
- ▶ **Derive measures:** Partition, extraction, combination.

Practical Tip: Better to partition off small areas directly at the source than to protect the entire room.

2

Selecting partitions & protective guards

- ▶ **Material:** Stable, easy to clean, transparent where visibility is necessary.
- ▶ **Height:** High enough to stop dust, but not block ventilation.
- ▶ **Flexibility:** Use movable elements for changing workflows.

Practical Tip: Combine rigid walls for fixed areas with mobile barriers for temporary zones.

3

Positioning

- ▶ **Directly at the source:** Capture dust where it is generated.
- ▶ **Observe access routes & pathways:** Keep escape and traffic routes clear.
- ▶ **Consider ventilation:** Airflow should not transport dust to other areas.

Practical Tip: A mat or small rug in front of the partition can additionally bind particles.

4

Inspection & maintenance

- ▶ **Regular visual inspection:** No cracks, deformations, loose parts.
- ▶ **Cleaning:** Remove dust deposits immediately.
- ▶ **Documentation:** Record measures, inspections and adjustments in writing.

Practical Tip: Link inspection intervals with cleaning – saves time and ensures safety.

5

Protective measures concept

- ▶ **Document in writing:** Which areas are separated and how.
- ▶ **Train employees:** Correct handling of partitions and extraction technology.
- ▶ **Adjust regularly:** Consider new machines, changed processes or increased dust generation.

Practical Tip: Keep the concept near the workplace – as a "quick reference" for all responsible.