

PLASTIC BLAST MEDIA (PBM) FOR SURFACE TREATMENT

Plastic blast media are used for cleaning, depainting (paint stripping) and deflashing purposes. We deliver these blast media either in Melamine or in Urea material.

♦ **Melamine** is engineered for stripping the most difficult surfaces while providing an effective stripping rate. Melamine is the most aggressive plastic abrasive, offering an excellent range of stripping capabilities. Melamine can be used as a replacement for glass beads and other harsh abrasives.

♦ **Urea** is a most widely used plastic grain stripping abrasive and is used particularly in sandblasting operations. Urea is environmentally friendly and recyclable and it is a perfect alternative to chemical stripping. Urea is formulated to meet an increased level of stripping performance where stripping speed outweighs other considerations. Urea is able to strip tough coatings at an impressive strip rate. Urea is typically used for less sensitive applications.

Technical information:

Type	Hardness	Specific density	Bulk density
Urea	3,5 MOHS	1,47 - 1,52 g/cm ³	929 - 961 kg/m ³
Melamine	4.0 MOHS	1,5 g/cm ³	700 kg/m ³



Using plastic abrasives has been proven to significantly reduce the generation of hazardous waste that using wet chemical strippers can cause. In addition, the use of plastic abrasives has proven to be faster, less damaging to the substrate and much less expensive than wet chemicals. Since the plastic abrasive is harder than the coatings to be removed, yet softer than the substrate, coatings can actually be stripped three or four times without damage to the surface.

Plastic abrasives are sensitive to substrates, including aluminum and other delicate metals, composites and plastics, yet tough enough to take care of the most demanding decoating and surface finishing needs efficiently.

In surface treatment technology plastic media is used for surface blasting without any erosion of the basic material. It is suitable for all kind of treatments on the following materials and applications:

For cleaning of:

- ◆ Steel- and chromium plated parts in the rubber- and plastics industry
- ◆ Aluminium moulds in the foam- and Latex industry
- ◆ Light alloy injection moulded housings
- ◆ Steel tools in the concrete industry
- ◆ Injection- and extruder screws
- ◆ polyester parts
- ◆ Wooden parts
- ◆ Building linings
- ◆ Tomb-stones, f.a. Made from stone, copper or bronze
- ◆ Natural- and polished stones, f.a. From marble or granite
- ◆ brake lining
- ◆ baking pan
- ◆ glass
- ◆ special sieve in sewage plant

For de-painting of:

- ◆ Powder coated parts
- ◆ Old-timers, car parts
- ◆ Aluminium wheel rims
- ◆ Sport boats
- ◆ Airplanes, parts of Airplanes
- ◆ Rejected painted high value parts
- ◆ Road shield
- ◆ brass-surface

For deflashing of:

- ◆ Electronic parts
- ◆ Aluminium- and alloy injection moulded parts

For pre-treatment of the parts to be painted:

- ◆ Plastic parts
- ◆ Flying rust

Example of blasting plastic parts with plastic abrasive medium:

Before blasting:



After blasting:



Plastic blast media are packed in 25 kg bags.