

SURFACE PREPARATION
AQUA BLASTING (VAPOUR BLASTING)
DSF 3.1.2

Definition:

Aqua Blasting (Vapour blasting) is a wet high pressure blasting process using micron sized glass media suspended in a high pressure water system. Unlike shot blasting, this technique gently peens the surface to reduce porosity in castings. The combination of water and medium known as 'slurry' lubricates the item being cleaned resulting in a satin finish, with no risk of damage to the component, that is easy to keep clean, or as preparation for subsequent surface treatment.

No media is impregnated into the component & unlike dry blasting where the finish is produced by sheer force of media impact, there is no dust created by the break-up of media,

Aqua Blasting is both highly effective and gentle at the same time - The process cleans very effectively without removing any of the underlying metal or substrate. This allows for the cleaning of delicate parts and soft metals.

Properties:

- Effective, non-aggressive cleaning process without removing material from the substrate
- Suitable for Aluminium, Brass, Bronze, Copper, Magnesium & Titanium.
- Not suitable for steel, risk of oxidation.

ASM (DEK) Acceptable Criteria:

Preferred glass bead size: 200µm.

First used on Guide Rails. Each item to be Aqua Blasted must use new glass beads to maintain the 200µm size.

Example of drawing notes:

Aqua Blast with new 200µm glass bead, except face marked thus *

Issue	01	02	03	04	05	06	07	08	09
DCR	7135	44734							