

CONCRETE FLOORS – SHOT BLASTING

WHAT IS SHOT BLASTING?

Shot Blasting is a one-step preparation technique that removes laitance, paint, old coatings, dirt and other contaminants and profiles the concrete surface all at once. It will not remove oil-ingress and water. Most common shot blasters have full vacuum extraction that will significantly reduce the level of dust produced by the blasting process.

Tiny steel shot is directed at high velocity to the concrete surface. This breaks up and removes the top layer, including loosely bound laitance. The shot bounces back into the system and is recycled while the dust is removed by vacuum.

The use of fine shot will produce a concrete profile suitable for nearly all coating types.

Dulux recommend **Parchem** as a source of purchase for new shot blasters. Shot blasters can also be hired from specialist equipment suppliers. Visit www.concretecare.com.au for more information.

If you have little experience with shot blasting, we suggest that experienced contractors shot blast your floor.

FLOOR PREPARATION PROCEDURE USING SHOT BLASTING

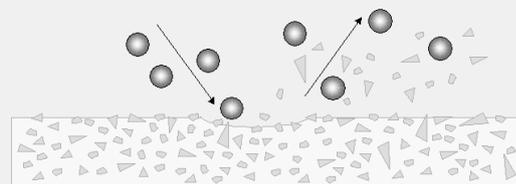
All surfaces must be free from oil, grease, dirt or any other existing contaminants.

1. Remove any oily deposits using high-pressure water wash at 2,000 - 3,000 p.s.i. using a free-rinsing alkaline detergent such as **Gamlen CA No. 1** - mix and use the products to the Manufacturers written instructions.
2. Create a surface profile by using propriety shot blast equipment on all surfaces to remove laitance and create a sound, profiled substrate to match visual standard CSP 3-5.
3. Fill cracks, blowholes or other defects in the concrete with a suitable epoxy filling mortar.

All surfaces must be clean and dry before application of the specified floor coating system.

After the coating system has fully cured, seal joints with a high-performance, non-lumping polyurethane floor joint sealant. For more information, please refer to **Dulux Protective Coatings Tech Note 1.3.5 Concrete Floors – Treatment of Floor Joints**.

For more information, please contact the Dulux Protective Coatings Technical Consultant in your state.



Shot blasting



Shot blasting in action



Concrete Standard Profile achieved: CSP 3-5

