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## Dip Coating

The dip coating process is an application method that involves immersing and then removing a part or part surface at a steady rate from a tank holding the coating material.

It is important that the part is immersed in the coating solution at a constant speed, preferably judder free. The part has to remain immersed and motionless to allow for the coating material to apply itself to the part – this is commonly known as the dwell time.

The part is then withdrawn, again at a constant speed to avoid any judders. The faster the part is withdrawn from the tank the thicker the coating material that will be applied to the part.

Owing to its simplicity, this method lends itself to automation. Film thickness is controlled by coating viscosity and rate of withdrawal from the tank. We use different sized dip tanks to optimise coating application.