

Pre-Treat TACKY OVEN COATING



PreTreat TACKY OVEN COATING is a polymeric based coating formulated for use in high temperature paint ovens. This product is applied to a sheet of steel or aluminium, wrapped in aluminium foil, by a paint roller. Then passed through the oven to trap air borne particulates that may otherwise be deposited on freshly painted surfaces. PreTreat TACKY OVEN COATING remains tacky for extended periods of time at temperatures up to 250° C.

CASE STUDY

REMOVING DUST FROM A POWDER COATING OVEN - A Powder Coating Trade Coater had a quality problem with airborne dirt falling on the powder coated parts. The dirt was identified as sitting on the surface of the coating and was not evident when the parts entered the oven.

THE SOLUTION - The Company had tried coating an internal oven wall with a competing coating which worked at first. The coating acting like a non-drying adhesive layer that acts like "Fly paper". The problem came back however after 2 -3 months. It was identified that the tacky coating had dried out and lost its tackiness. Eventually it made matters worse as the oven coating started to flake off.

The solution was to strip this coating off (mechanically and with paint remover) and then hang steel panels wrapped around with aluminium foil coated with **PreTreat TACKY OVEN COATING** in the oven. To avoid the film drying hard, the panels had the coated foil removed and replaced weekly. The result

Initially four panels were used to capture the airborne contamination. Once the oven was clean of airborne dirt by using the coating of one oven panel, as part of the maintenance programme, this ensured the ovens stayed free of dirt and dust defects.

High bake systems such as powder coating means a much shorter tackiness lifespan and the coating needs frequent replacement. In a low bake oven (80C) the coating would remain tacky for much longer (several weeks).



SPECIALISED CHEMICALS FOR INDUSTRY

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