

Reduce Your Cycle Time

Improve your profitability with the unique Armoloy nodular structure that aids the ejection on bump off cores, unscrewing cores and collapsing cores. Anywhere that a dynamic ejection occurs the Armoloy process will improve your manufacturing processes.

The unique structure reduces the surface area the product has to move across so that (especially with air ejection) the product ejects quicker and easier.

Figure 1 demonstrates the unique structure of the Armoloy NTDC coating.



Figure 1

Armoloy in Action...

An injection moulder of houseware products was experiencing problems with the blowing out at the end of a 3ltr cereal container from an air ejected tool, and so increasing the cycle time to an unacceptable level. Also, prior to coating the core with Armoloy, they were using 4 cans of mould release agent for every eight hour shift. Once the core had been coated, not only did the tool increase production from 110 to 130 parts per hour through reducing the cycle time from 32.7 seconds to 27.6 seconds, but also they no longer had to rely on the mould spray. At one point the tool was producing 150 parts per hour but the cooling on the tool couldn't keep up!

What the customers say...

A customer had a problem with an unscrewing core tearing the drive dogs when trying to mould other colours apart from white. Armoloy coated the cores, which were several years old, and received the following in response: "Since applying Armoloy I can confirm that the coating has solved the problem of tearing by the drive dogs on ejection. We have successfully run three or four colours on this tool in addition to white, as you will recall this was not possible before without tearing the dogs. Additionally, the cycle time has been reduced since the coating. Thank you very much for your help with this exercise, which has proven to be a very cost effective solution."

Wayne Blyler. Bepak

The Armoloy Facts

- ✔ **Maintains Thermal Conductivity**
- ✔ **78Rc Surface Hardness**
- ✔ **Low Coefficient of Friction**
- ✔ **Low Application Temperature (Below 75°C)**
- ✔ **Absolute Adhesion to the Base Material**
- ✔ **The Mould Coating for Copper Alloys**
- ✔ **Typical Coating Thickness 3 - 5 Microns**
- ✔ **Retains Thermal Conductivity whilst Maximises Abrasion Resistance**

