



CN890 Technical Highlights

CN890 is a Penta-functional melamine acrylate

Introduction

CN890 has a long history of successful application on plastic substrates. It is still one of the most exceptional "speciality" products on the market, with no obvious alternative, in many cases. Recently, it has also found increasing use in wood coating applications, especially where physical and chemical resistance properties are the priority. The outstanding colour retention and durability of **CN890** are now very much, "in demand".

Plastic applications

The hard, but tough nature of **CN890**, combined with superior colour retention, make **CN890** ideal for use on a wider range of rigid plastics. **CN890** has been used on "automotive" plastics for many years. It has been used as a "sole" resin, where flexibility is not required, but can also be used as an "additive" resin to enhance resistance to scratch and chemical resistance. **CN890** has been used in spray applications, either diluted in solvent, or in 100% solvent-free systems.

Wood coating applications

Scratch resistance is becoming more and more important to parquet flooring formulators, while chemical stain resistance is a priority for furniture and other wood coating formulators. We have therefore seen a rise in the use of **CN890**, which reflects its suitability in these areas. In our recent "in-house" evaluation of the scratch resistance properties of resins used for parquet top-coats, **CN890** was the "best resin in test".

Summary of physical properties

Konig Pendulum hardness		181
Scratch resistance		Excellent
Stain resistance		Excellent
Adhesion	Polycarbonate	Excellent
	PVC	Excellent
	ABS	Excellent

NB: Comprehensive test results are available on request.