



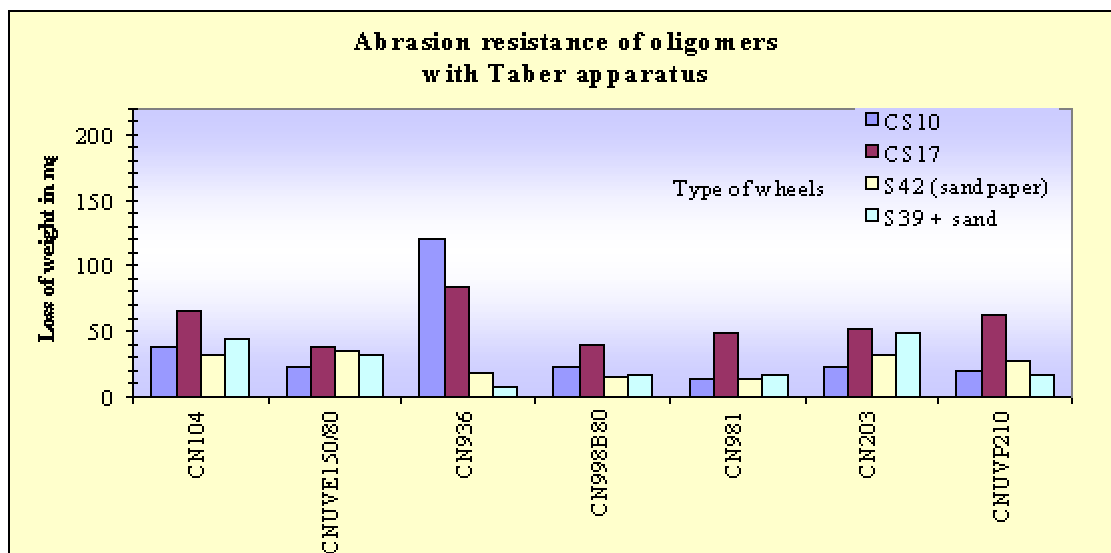
## ABRASION RESISTANCE

Industrial wood parquet is generally finished with UV varnish in order to prevent mechanical and stain damage. Abrasion resistance is one of the most important properties brought by the coating because it determines when the floor needs to be replaced. Increasing abrasion resistance of the coating has been a leading and continuous project for coatings suppliers and therefore improving the properties of the oligomers has been under constant investigation from the raw materials suppliers. Depending on tests that are required, this stable gives some recommendations about the best product to use to formulate an outstanding abrasion resistance coating.

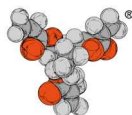
### Oligomers with Outstanding Properties

Code	Nature	Viscosity
CNUVE150/80	Aromatic epoxy acrylate, flexible	38Pa.s@25°C
CN936	Aliphatic urethane diacrylate	9Pa.s@50°C
CN998B80	Aliphatic trifunctional urethane acrylate diluted in HDDA	45Pa.s@25°C
CN981	Aliphatic urethane diacrylate	25Pa.s@50°C
CNUVP210	Difunctional polyester acrylate	1Pa.s@25°C
CN203	Polyester acrylate	10Pa.s@25°C

### Performances measured as a loss of weight in mg



For more information on the test conditions please contact our technical service.



## Product highlights

**CNUVP210:** very flexible oligomer, with low reactivity and good adhesion, its low viscosity allows to formulate without adding a large amount of monomers.

**CN203:** very reactive oligomer, with good abrasion performances combined with excellent scratch resistance.

**CN999B80:** excellent balance between flexibility and toughness, best overall performer.

## Recommended applications

Abrasion test	Recommended products
CS10	CN981, CNUVP210, CN998B80, CNUVE150/80
CS17	CNUVE150/80
S42	CN981, CN998B80, CN936
Fallingsand	CN936, CNUVP210, CN981, CN998B80