



MIROTHANE Polyurethane (PU) Coatings

Features & Benefits	Disadvantages
Application Issues	
Two-component coating with high build typically with much shorter pot life than AC's	Contains isocyanate: Requirement for full-face air assisted mask during and immediately after coating application.
Low odour in application and in service. Formaldehyde free.	Atomised isocyanates pose a potential risk to coating applicators. This is not a problem if PU is sprayed in a good quality spray booth and an external air source full face mask is worn.
Excellent flexibility and therefore superior scratch and impact resistance.	Coating waste will result if all catalysed (mixed Part A+B) coating is not consumed within the coating's pot life (time frame within which the coating must be used before the viscosity of the coating increases to the point where it can no longer be applied).
Once the film has cured, no residual emission of toxic compounds. This unlike AC's which may continue to release formaldehyde for many weeks after the coating has been applied.	The longer the elapsed time period between initial mixing of AC Part A+B, the worse the physical properties of the final coating film.
Visual Appearance	
Full range of gloss levels available from matt to full gloss.	Highest full gloss level achievable. It is possible to achieve gloss levels greater than 95%, especially if applied over a polyester (PE) sealer or undercoat.
High build facilitates achievement of a full (closed pore) finish.	
In Service Performance	
If well formulated, excellent chemical and water resistance. Typically significantly superior to NC, PC and superior AC coatings.	
Typical Applications	
Recommended for very heavy wear or severe environments such as bar tops, bathroom vanities, commercial tables tops and floors.	Table and other furniture in commercial environments.
Commercial furniture and fittings.	Children's toys and furniture
Floors	Applications where superior physical in-service performance is required of the coating and internal air quality is an issue (i.e. formaldehyde free).
Application to MDF for pigmented coatings.	



MIROTONE

For further information contact your friendly Mirotone representative or visit:

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