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## International Accelerator Thinner (GMA990)

### Application Guidelines For use with approved polyurethane products

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***TECHNICAL AND APPLICATION DATA** herein is for the purpose of establishing a general guideline of the coating and proper coating application procedure. Test performance results were obtained in a controlled laboratory environment and International makes no representation that the exhibited published test results, or any other tests, accurately represent results actually found in all field environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection, verification of performance, and use of the coating(s).*

#### Protective Coatings

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## Guidelines

International Accelerator Thinner (GMA990) is a single component solvent based accelerator which when added at a level of 2% by volume to mixed, 2 component polyurethane coatings, provides faster hard dry times.

The acceleration effect is more pronounced at low temperatures where slow drying is often an issue, but this thinner is also suitable in forced cure situations at 40-80°C. See table 1 below for Interthane 990.

Product	<sup>1,2</sup> GMA990 Addition Level	Hard Dry Times				
		5°C	10°C	15°C	25°C	40°C
Interthane 990	None	24 hours	16 hours	10 hours	6 hours	3 hours
Interthane 990	2% v/v	9 hours	6 hours	5½ hours	2 hours	1½ hours

<sup>1</sup> Recommended dosage level is 2% by volume to the mixed polyurethane coating. Care should be exercised not to exceed this level.


<sup>2</sup> The addition of the accelerator does cause a decrease in surface gloss. Where there is a requirement for a high level of cosmetics, the use of the accelerator may not be appropriate. If in doubt, carry out a small test patch. The greater the level of addition, the greater the impact on gloss loss. Maintaining levels at 2% have proven to be satisfactory in typical applications to obtain a good workable balance of hard dry time, film hardness, gloss level and pot life.

<sup>3</sup> Do not use GMA990 in conjunction with the recommended International GTA thinner on the Polyurethane Product Datasheet. When choosing to use GMA990, the GTA thinner is NOT required.

<sup>4</sup> GMA990 can be used with the following approved polyurethane products; **Interthane 990, Interthane 990S, Interthane 870, Interthane 1070**. As a general guide, hard dry times will be decreased by approximately 50% of the published datasheet values at 2% v/v addition.

<sup>5</sup> GMA990 is supplied in a 5 litre metal container.

**This document should be read in conjunction with the GMA990 material safety data sheet (MSDS).**

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