

# GALSTAFF MULTIRESINE

SPECIALITY RESINS AND AUXILIARIES

Data Sheet

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## ITAMIN BG 140

Highly reactive, high solid, butylated benzoguanamine/formaldehyde resin

### CHARACTERISTICS (INTERNAL METHODS)

• (*) Appearance	Clear
• GARDNER Colour	1 max
• Solid content (2 hours at 105°C)	80 % $\pm$ 2
• Solvent/s	n-Butanol
• Acid value, on solid	2 mgKOH/g, max
• Free formaldehyde	0,6 % max
• GARDNER Viscosity, at 25°C	Z3 $\div$ Z4
• Brookfield Viscosity, at 25°C	5000 $\div$ 10000 mPas/s
• (*) Compatibility with White Spirit	1 Resin/2 W.S., min.
• (*) Compatibility with Ethanol	1 Resin/20 Ethanol, min.

(\*) Not a specification

### APPLICATIONS

ITAMIN BG 140 is a benzoguanamine/formaldehyde resin, etherified with n-Butanol. The major issues are: high solid; low free-formaldehyde content; high reactivity even at low temperature; long shelf life.

ITAMIN BG 140 is the ideal co-binder for can and coil coatings, either as base-coat or as OPV. The proper dosage of ITAMIN BG 140 provides for a gloss improvement, better body, excellent sterilization fastness, even in case of low baking temperature (150  $\div$  160°C).

ITAMIN BG 140 is the most reactive, if compared to ITAMIN BG 141, BG 142 and BG 143, but the flexibility is still excellent and the adhesion on aluminium and steel is very good as well.

### COMPATIBILITY

ITAMIN BG 140 is compatible with nitrocellulose, epoxy and epoxy esters resins, saturated polyesters, hydroxylated and carboxylated acrylic resins, alkyd resins. It is compatible with the full range of amino resins ITAMIN and with methylated amino resins. Due to the huge number of available binders, preliminary tests of compatibility are suggested, in any case.

### SOLUBILITY

ITAMIN BG 140 is soluble in alcohols, esters, ketones, aromatic and aliphatic solvents. The limits are so wide that no problem of any combination has been faced.

### SAFETY AND WAREHOUSING

ITAMIN BG 140, if stored in original sealed container, in protected area, at a room temperature not higher than 35°C, has a shelf life of 12 months, from the production date. The same temperature has to be used in case of storage in tank.

For all information related to handling and toxicological knowledge about this resin, please refer to the Safety Data Sheet.

**galstaff**

QUALIFYING  
**5**  
YEARS  
COATINGS

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THE INFORMATION CONTAINED HEREIN IS BASED ON OUR CURRENT KNOWLEDGE AND EXPERIENCE BUT IS SUPPLIED WITHOUT GUARANTEE

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