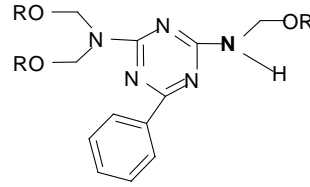


**CHARACTERISTICS**

Imino type, medium reactive, methylated benzoguanamine-formaldehyde resin

**STRUCTURE**



**FORM OF DELIVERY**

80 % n-butanol (80B)

**SPECIFICATION**

Determined per batch

**Properties**

**Dynamic Viscosity DIN EN ISO 3219-B**  
Cone & Plate (23°C) [mPa.s] 1000 - 2000

**Non-Volatile Matter DIN EN ISO 3251**  
(1 h; 120 °C; 2 g) [%] 78 - 82

Not continually determined

**Iodine Colour Number DIN 6162** < 1

**Density (Liquids)**  
approx at 20°C [g/ml] 1,14

**Flash Point (Pensky-Martens) DIN EN 22719 (analog)** [°C] 43

**Formaldehyde Content (Sulfite) DIN EN ISO 11402** [%] <1,0

**Molecular weight distribution (Mw/Mn) (GPC/PS I)** 1,20

**USES :**

Maprenal MF 984 is fully soluble in polar solvents like alcohols, ester and ketons and partially soluble in hydrocarbons like solvent naphta.

Maprenal MF 984 is a reactive , methylated Benzoguanamine resins, which provides in combination with suitable Polyesters glossy, hard, highly flexible and water resistant films with good adhesion to various substrates especially to aluminium.

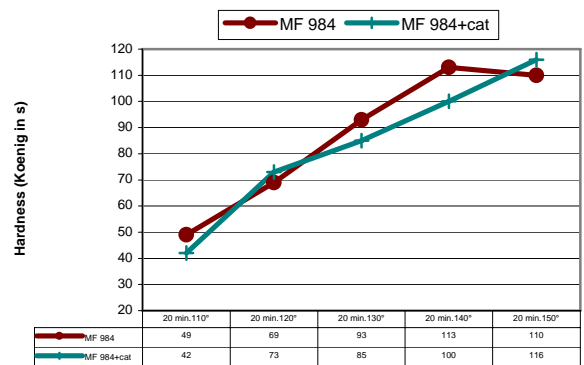
Maprenal MF 984 shows a good cure response in combination with a high formulation stability in solvent and waterborne (with cosolvent) baking enamels without and with sulfonic acid type of catalyst

**Reactivity:** Maprenal MF 985 > MF 986 > MF 984

**Flexibility:** Maprenal MF 985 < MF 986 < MF 984

**FILM PROPERTIES**

**Waterborne clear coat: Acrylic/Maprenal MF 984 = 80/20 (s/s)**



**STORAGE STABILITY:**

At temperatures up to 25°C storage stability of Maprenal MF 984/80B packed in original containers amounts to at least 24 months after the day of production.

Some turbidity may occur in isolated cases but this has no effect on product quality.



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