

TYPE

High reactivity non-plasticized, methylol type of isobutylated urea formaldehyde resin

FORM OF DELIVERY (f.o.d.)

70%ig in isobutanol (70IB)

SPECIAL PROPERTIES AND USES

Outstanding reactivity in stoving paints.
Excellent compatibility with Alkyd resins.
Excellent adhesion to metal.

Stoving systems with broad stoving range. Acid curing paints.
Nitrocellulose-combination lacquers.

SPECIFICATION

Determined per batch:

Properties

Viscosity EN ISO 3219-B

(25 1/s; 23°C) [mPas] 14000-23000

Non Volatile Matter DIN EN ISO 3251

1h, 125°C, 2g+2ml l-Butanol [%] 68-72

Iodine Colour Number DIN 6162

[mg l/100ml] <=2

Acid Value DIN EN ISO 2114

[mgKOH/g] <7

Not continually determined

Density (Liquids) DIN EN ISO 2811-2

[g/cm³] 1,03

Flashpoint (5 to 65°C) DIN 53213 p1

[°C] 33

Formaldehyde Content (Sulfite) DIN EN ISO 11402

[%] <1,5

USES:

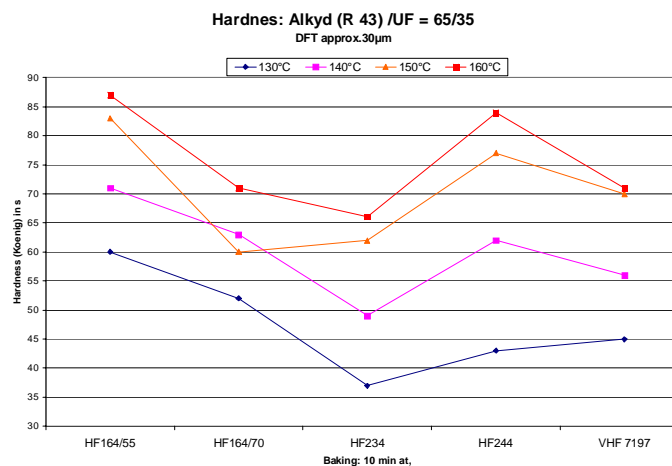
Viamin HF164/70IB is a non-plasticized urea resin not intended as sole binder. Top quality stoving enamels and particularly stoving primers for a wide range are formulated in combination with plasticizing media like stoving and non-drying Alkyd resins. Further outlets are acid curing systems and nitrocellulose combination lacquers.

In stoving Paints Viamin HF 164/70IB can be combined with drying and non-drying short to medium oil Alkyds, which can be baked > 120°C when the solid binder/UF ratio is adjusted 75:25 to 60:40.

Formulated in primers Viamin HF 164/70IB yields at higher baking temperatures (> 150°C) very high water and salt spray resistant film with a good substrate (metal), intercoat adhesion and good recoatability. Therefore Viamin HF 164/70IB is recommended to be used in can coatings.

In acid curing systems the solid binder ratio Alkyd/Viamin HF 164/70IB should be adjusted to 60/40 and ethanol or butanol should be added to improve the pot life after addition of the acid catalyst.





Reactivity: VHF 164/55 > HF 164/70 > HF 244 > VHF 7197 >= HF 234



STORAGE STABILITY:

At temperatures up to 25°C storage stability of Viamin HF164 /70iB packed in original containers amounts to at least 9 month.



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	South America		+1 413 730 3814	+1 413 730 2499
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