



## **KAMSONS CHEMICALS PVT. LTD.**

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### **KAMICRYL – 31 SC HG** **(WATERBASED UNIVERSAL PRIMER)**

**A VERY UNIQUE NANO PARTICLE SIZE WATER BASED SELF-CROSSLINKING DISPERSION FOR VARIOUS SUBSTRATES LIKE CONCRETE, METAL, WOOD, PLASTIC, SMOOTH CERAMIC TILES, GLASS ETC...**

**KAMICRYL – 31 SC HG** is a Water based Nano particle size, Self-crosslinking Acrylic copolymer emulsion for various applications. It has Outstanding adhesion properties on various substrates because of the Nano dense self-crosslinking particles, This emulsion is very suitable as a “WORK HORSE” Universal Primer for all kinds of substrate like : Steel (metals), Glass, Concrete and Wood. Due to its outstanding adhesion it is very suitable for various smooth surfaces like glass, vitrified (ceramic) tiles and has good resistance to steam rooms and continuous vapour condensation. It can also be used as a top coat on formulated paint if desired.

#### **Typical Properties**

Type	Anionic, acrylic copolymer emulsion
Appearance	Milky, Translucent White Emulsion
Solid Content	47 ± 1 %
Viscosity in B4 cup	40- 180 seconds
pH	7 to 8.5
MFFT (°C)	31°C
Volatiles	water
Neutralising agent	ammonia
Density @ 20°C, Kg/litre	1.05

#### **Key Features and benefits to formulators:**

- Excellent Hardness & Good blocking properties.
- Very good penetration (Nano particle) & Mar resistance
- Outstanding wet adhesion and early water resistance
- Nano Self-crosslinkable emulsion
- Excellent resistance to dirt pick-up
- Excellent exterior durability
- Good adhesion on Glass, Concrete, Plastics, Steel, Wood, Concrete surfaces
- High and Fast hardness development.
- Excellent clarity and Good Gloss.

# UNIVERSAL PRIMER BASED ON KAMICRYL 31 SC HG

## Guide formulation

#	PRODUCT	QTY	UNIT	DESCRIPTION
1	KAMICRYL 31 SC HG	600	gms	PU
2	WATER	326	gms	
3	DEHYDRAN 1293	2.0	gms	Defoamer - Cognis
4	TEGO 902 W	2.0	gms	Defoamer
5	TEXANOL	50	gms	Coalescent agent
6	ETHYL CARBITOL	20	gms	Coalescent agent
7	RM 5000	-----	gms	PU THICKNER IF REQUIRED
8				
10				
	<b>TOTAL</b>	<b>1600</b>	<b>gms</b>	