



## Kamsons Chemicals Technical Data

### **KAMTHANE K-164 PP**

KAMTHANE K- 164 PP is an NMP free very hard aliphatic polyurethane dispersion designed for coating rigid substrates, such as timber, concrete, metal, plastic, tiles, polycarbonate, marble and wood. It has excellent overall durability. It has excellent Scratch resistance properties.

#### Typical properties

Type	anionic,aliphatic dispersion
Appearance	Translucent clear.
Total solids (% w/w)	34 %±2
pH (25°C)	7.0-9.5
Viscosity	160- 450 cps
Volatile	8.0 %
Elongation at break	200 %
Density of dispersion ( kg/l)	1.04
Konig hardness	210
Freeze/thaw stability	stable

#### **Film properties**

Extremely Hard & scratch free properties, but yet flexible  
High clarity, Hard and flexible  
Excellent water and alkali resistant  
Excellent abrasion, chemical & impact resistance  
Good alcohol resistance  
Adhesion to many substrates.

## **Recommendation for end-use**

Very compatible with Kamsons Acrylics  
Concrete & rigid substrate coatings  
Industrial waterproofing coatings  
Multi-surface & paint coatings  
Metal, plastic & wood coatings  
Parquet floorings

## **General guidelines**

The addition of wetting and/ or levelling agents and defoamers is required.  
The chemical and mechanical properties of Kamthane K-164 PP can be enhanced with small amount selected silanes & other crosslinkers.  
Kamthane K-164 PP can be formulated with suitable coalescents, and matting agents.  
Kamthane K -164 PP is compatible with a wide range of acrylics.

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THESE SUGGESTIONS & DATA ARE BASED ON INFORMATION WE BELIEVE TO BE RELIABLE. THEY ARE OFFERED IN GOOD FAITH, BUT WITHOUT GUARANTEE, AS CONDITIONS AND METHODS OF USE OF OUR PRODUCTS ARE BEYOND OUR CONTROL.

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