



Solmer

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Aliphatic Urethane Acrylate

SWA 8084

Descriptions

SWA 8084 is a di-functional water soluble aliphatic urethane acrylate oligomer developed for UV/EB cure coating applications requiring water soluble system, good adhesion and non-yellowing properties.

Features

- Water soluble type.
- Good flexibility and toughness.
- Good adhesion on substrates.
- Non-yellowing.

Specifications

- Viscosity (mPa.s, 60°C)	7,000
- Color (Gardner)	3 Max
- Density (g/cm ³)	1.12
- Functionality	2
- Polymer solid % by weight	80
- Water % by weight	20

Applications

- Method : spray, roll, dipping and curtain coating.
- Substrate : wood, paper, plastics.
- Wood flooring.
- Water based applications.

Typical properties

Viscosity following water dilution

20% H ₂ O	7,150 mPa.s, 60°C
40% H ₂ O	9,000 mPa.s, 60°C
60% H ₂ O	200 mPa.s, 25°C
65% H ₂ O	180 mPa.s, 25°C
70% H ₂ O	90 mPa.s, 25°C

- This is one of a result from lab test. The results could be different following test conditions.
- SWA 8084 has the best storage stability with 70% of water dilution. If it is used with less than 70% water, the formulator have to pre-test its storage stability and compatibility.

Handling

Storage :

Avoid continuous staying over than 40°C
Handle with care and avoid unnecessary personal contact.

Avoid contact with eyes and prolonged or repeated skin contact.

Avoid continuous or repetitive breathing of dust.