

# For those have problems with anti-scratch resistance and curling etc.

- ✓ Easy to scratch
- ✓ UV-curing needs much time & energy
- ✓ Substrate curl after UV-curing
- ✓ Lack of formability and adhesion

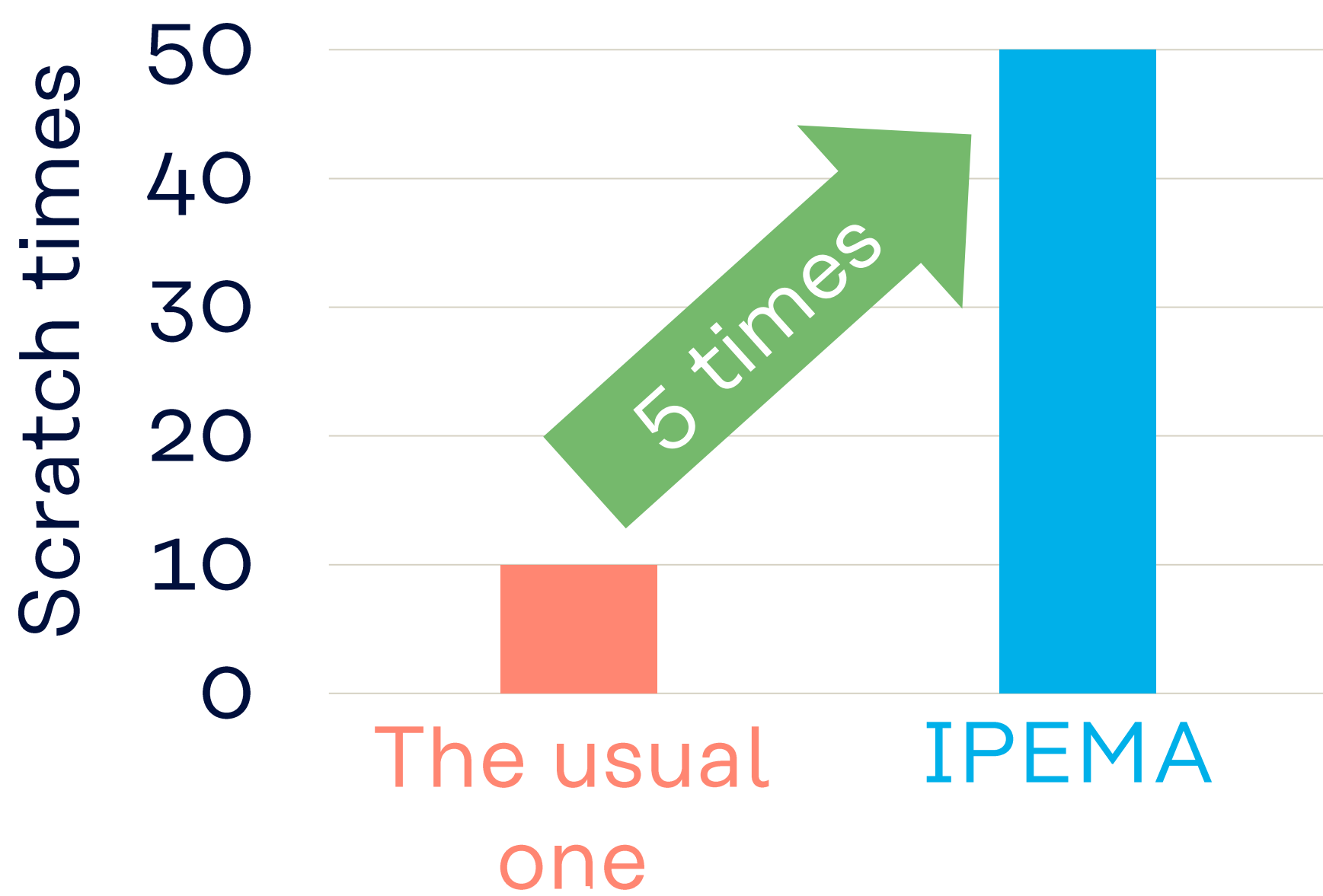
**IPEMA** can solve by replacing the usual diluent !

## Features

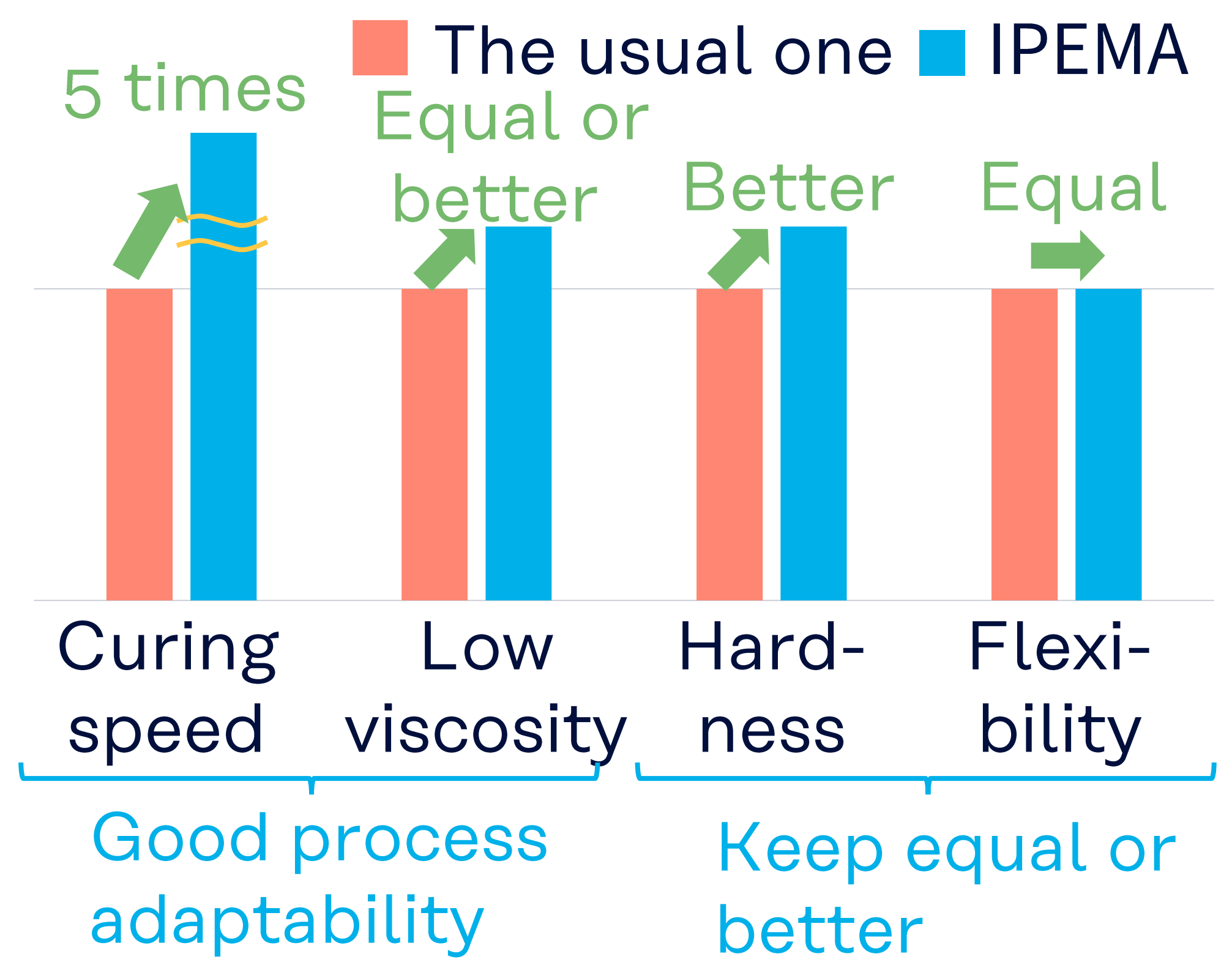
IPEMA is high dilutable monomer with low viscosity and achieves coexistence of properties that are usually trade-offs.

### Anti-scratch resistance

Realize the product high durability

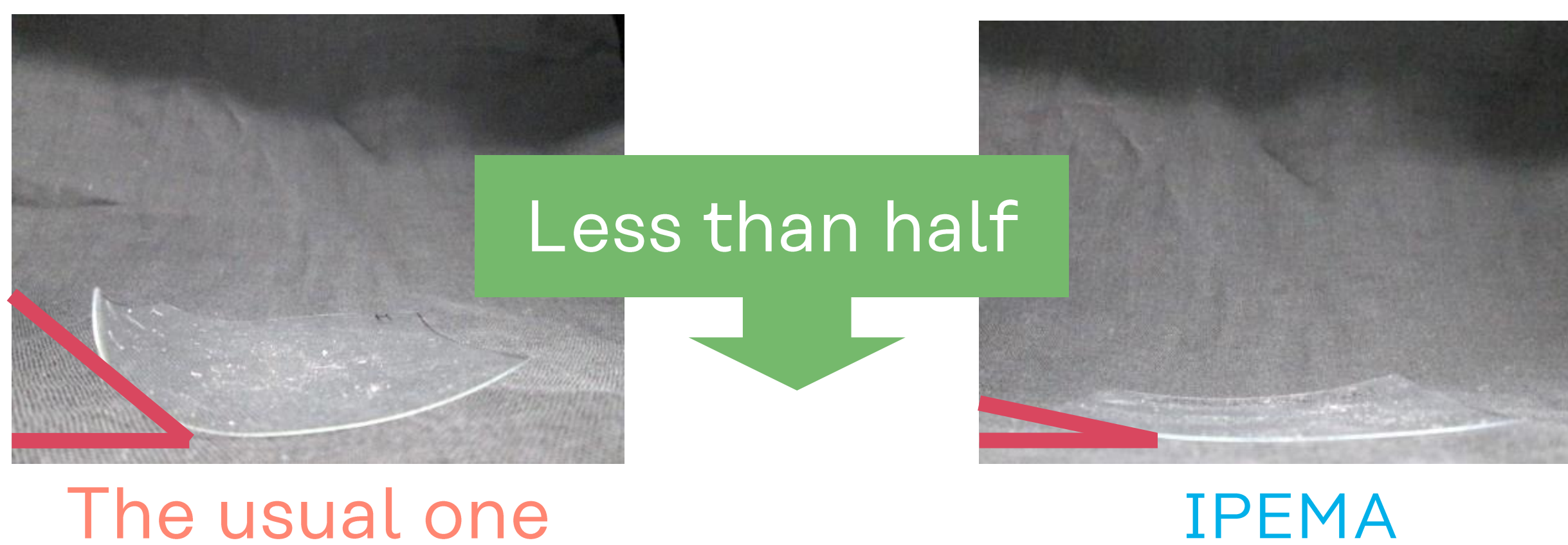


### Coexistence of properties



### Low curling

Contribute stability of the product



**IPEMA** can realize that your product apply to various application by improving properties that are given up due to trade-offs.

## Usable as

Hard coatings



UV inks



Adhesives



3D printings



## Sample

For free up to 1 liter. Please contact us.



# For those who have problems with poor UV-curing

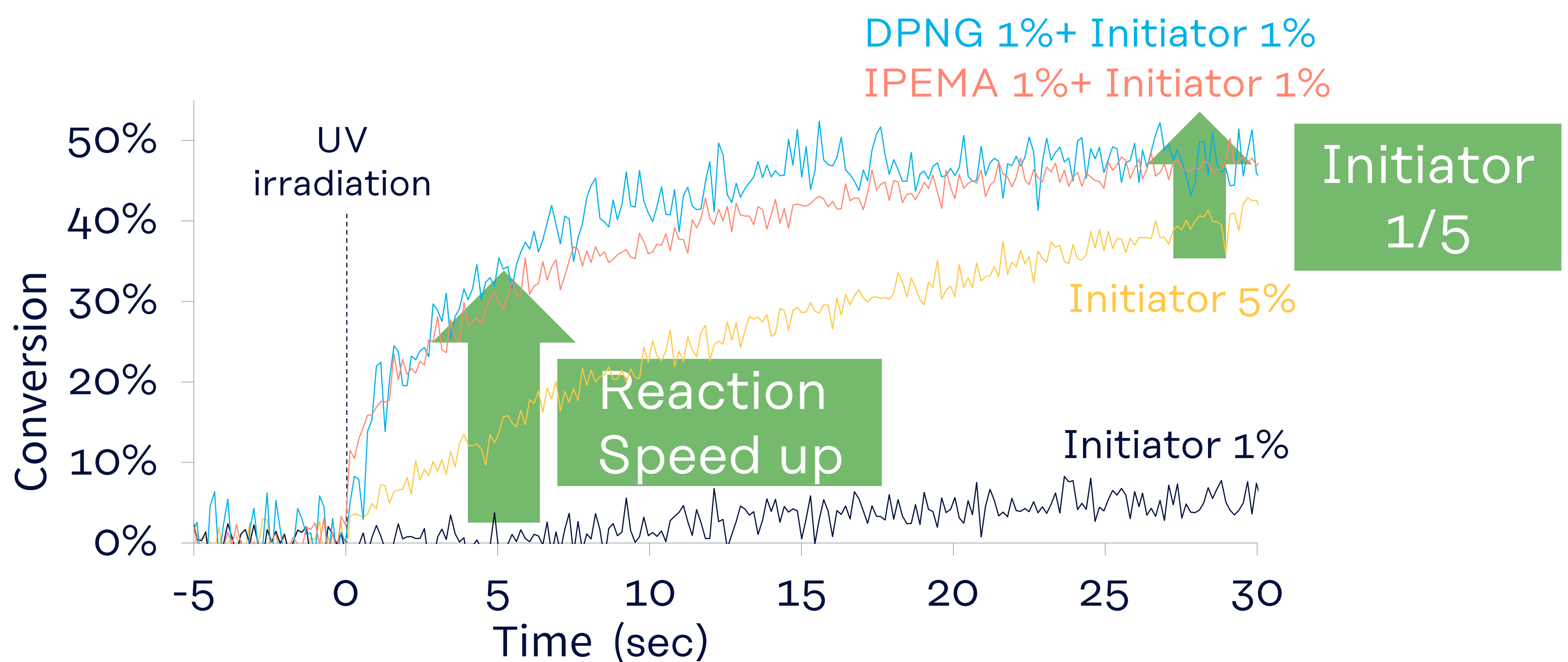
- ✓ Non cured parts occur by oxygen inhibition while UV-curing.
- ✓ Costly due to large amounts of expensive initiators to cure the product
- ✓ UV curing requires large amounts of irradiation energy and time.

➔ UV-curing accelerator **DPNG • IPEMA** can solve!

## Features

DPNG has high oxygen absorption capability and IPEMA has and specific radical reactivity.

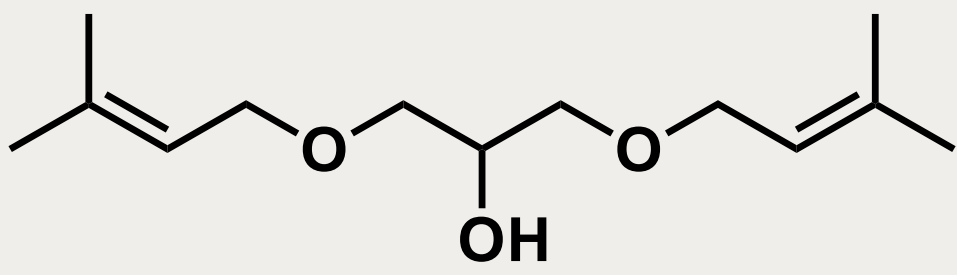
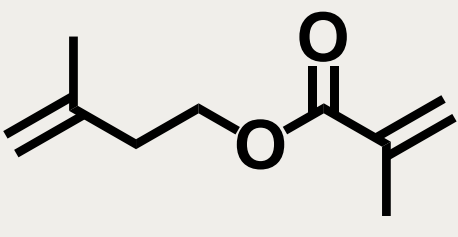
## UV-curing acceleration under air



Monomer: Pentaerythritol triacrylate Initiator: 1-Hydroxy-1-cyclohexyl phenyl ketone Thickness : 5 $\mu$ m  
UV irradiation: 73mW/cm<sup>2</sup>, high-pressure Hg lamp Atmosphere: Under air Detection: Real-time IR measurement

New UV-curing accelerator **DPNG • IPEMA** can solve poor UV-curing under air by suppressing oxygen inhibition.

## Basic data

Product name	DPNG	IPEMA
Chemical structure		
Appearance	Colorless liquid	Colorless liquid
Boiling point	292 °C	180 °C
Flash point	141 °C	67 °C
Density (25°C)	0.95 g/mL	0.92 g/mL
Viscosity (25°C)	9.18 mPa · s	1.06 mPa · s

## Sample

For free up to 1 liter. Please contact us.