

## UV Curable Applications

<b>Applications</b>	<b>Characteristics</b>	<b>Oligomers</b>	<b>Monomers</b>	<b>Co-initiators</b>	<b>Photo-initiators</b>
<b>Overprint varnish</b>	Curing speed, Gloss, Flexibility	621A-80, 624A-75, 6147B-80	EM210, EM215, EM222, EM223, EM231,	EC641, EC6411, EC645, EC6420, EC6422, EC6423, EC6425	IRGACURE 184 DAROCUR1173, BP
<b>Primer coat for woods</b>	Abrasion resistance, Excellent slip and wetting	621A-80, 623B-80, 624A-75, 6121F-80	EM215, EM221, EM222, EM223, EM231, EM224, EM226	EC641, EC6411, EC645, EC6420, EC6422, EC6423, EC6425	IRGACURE 184 DAROCUR1173, BP
<b>Top coat for woods (general varnish)</b>	Gloss, Hardness, Adhesion	621A-80, 623B-80, 624A-75, 6143A-80, 611B-85	EM221, EM223, EM231, EM224, EM226	EC641, EC6411, EC645, EC6420, EC6422, EC6423, EC6425	IRGACURE 184, DAROCUR1173, BP
<b>Top coat for woods (super anti-scratch varnish)</b>	Hardness, Scratch resistance, Abrasion resistance	6315, 6145-100 611B-85, 621A-80, 623B-80, 624A-75	EM210, EM221, EM223, EM231, EM224, EM2251, EM265	EC641, EC6411, EC645, EC6420, EC6422, EC6423, EC6425	IRGACURE 184, DAROCUR1173, BP
<b>Plastic varnish for ABS and PC</b>	Hardness, Abrasion resistance, Flexibility, Gloss, Scratch resistance	6072, 6073, 611B-85, 6130B-80, 6132B-80, 6143A-80, 6145-100, 6161-100, 621A-80, 6210G, 623B-80, 6530B-40	EM210, EM211, EM221, EM231, EM235, EM265	EC641, EC6410, EC6420, EC6430, EC6422, EC6423, EC6425	IRGACURE 184, DAROCUR1173, BP

<b>Plastic varnish for PVC tile</b>	Abrasion resistance, Flexibility, Gloss, Solvent resistance	611B-85, 6130B-80, 6132B-80, 6143A-80, 6145-100, 6161-100	EM221, EM223, EM231	EC641, EC6410, EC6420, EC6430, EC6422, EC6423, EC6425	IRGACURE 184, DAROCUR1173, BP
<b>Top coat for PE tubes</b>	Adhesion, Curing speed	611B-85, 6143A-80, 6147B-80, 6530B-40	EM211, EM221, EM231, EM2380, EM2411, EM265	EC641, EC6410, EC6420, EC6430	IRGACURE 184, DAROCUR1173, TPO, BP
<b>Top coat for silver paint</b>	Hardness, Flexibility, Gloss, Solvent resistance	6071, 611B-85, 6143A-80, 6145-100, 6161-100, 621A-80, 6210G, 623B-80, 6530B-40	EM210, EM211, EM70, EM221, EM231, EM235, EM265	EC641, EC6410, EC6420, EC6422, EC6430	IRGACURE 184, DAROCUR1173, BP
<b>Vacuum metallizing varnish</b>	Adhesion, Hardness, Abrasion resistance	6071, 611B-85, 6143A-80, 6145-100, 6161-100, 6530B-40	EM210, EM211, EM39, EM70, EM221, EM223, EM231, EM235, EM241, EM265	EC641, EC6410, EC6420, EC6422, EC6430	IRGACURE 184, DAROCUR1173, BP
<b>Screen printing inks</b>	Adhesion, Surface migration	611B-85, 6112-100, 6143A-80, 6147B-80, 6145-100, 6210G, 622A-80, 623B-80, 6231A-80, 6530B-40	EM221, EM224, EM226, EM2261, EM2265, EM2380, EM2381, EM2384, EM265	EC641, EC6410, EC6420, EC6430, EC6423, EC6425	IRGACURE 184, DAROCUR1173, TPO, BP
<b>Flexo printing inks</b>	Proper printing availability, Pigment wetting, Curing speed	611B-85, 6112-100, 6143A-80, 6145-100, 6161-100, 6210G, 622A-80, 6231A-80,	EM221, EM224, EM226, EM2261, EM2265, EM2380, EM2381, EM2384,	EC641, EC6410, EC6420, EC6422, EC6430, EC6423, EC6425	IRGACURE 184, DAROCUR1173, TPO, BP

		625C-45, 625C-45LH, 6311-100, 6312-100, 6313-100, 6314C-60, 6315, 6331-100, 6530B-40	EM265		
<b>UV Adhesives</b>	Adhesion, Flexibility	611B-85, 6143A-80, 6148J-75 621A-80, 6314C-60, 648, 649, 6530B-40	EM210, EM211, EM215, EM70, EM75, EM221, EM331, EM3380, EM2380	EC641, EC645, EC6420	IRGACURE 184 DAROCUR1173, BP