

Information on the resins used

Product	PalaXpress® by Heraeus Kulzer	Aesthetic Autopolymerisat® by Candulor	ProBase® Cold by Ivoclar Vivadent	FuturaGen® by Schütz Dental
Description	Universal dental base material for dentures for injection and pouring	Cold-curing resin for the pouring and packing technique	Cold-curing resin for the pouring and packing technique	Universal denture base material for injection procedures or pouring technique
Composition	<p><u>cold-curing polymer</u></p> <p><b>Powder main component:</b></p> <p>Methyl methacrylate copolymer</p> <p><b>Liquid main components:</b></p> <p>Methyl methacrylate, dimethacrylate cold polymer</p>	<p><u>cold-curing polymer</u></p> <p><b>Powder:</b></p> <p>Polymethyl methacrylate, plasticizer, benzoyl peroxide, catalyst, pigments</p> <p><b>Liquid:</b></p> <p>Methyl methacrylate, dimethacrylate, catalyst</p>	<p><u>cold-curing polymer</u></p> <p><b>Powder:</b></p> <p>Polymethyl methacrylate, plasticizer, benzoyl peroxide, catalyst, pigments</p> <p><b>Liquid:</b></p> <p>Methyl methacrylate, dimethacrylate, catalyst</p>	MMA-based cold-curing resin

Application in the pouring technique:				
<b>Cast</b>	Isolate	hand-warm, well-watered plaster surfaces, isolate	well-watered plaster surfaces, isolate	30°C to 40°C, isolate
<b>Mixing ratio</b>	10 g powder: 7 mL liquid	15 g polymer: 10 mL monomer	15 g powder: 10 mL monomer	up to a ratio of 10: 7 free mixable
<b>Mixing time</b>	15 s	20-30 s, Let stand for 15 s	Mix well, let stand for 15 s	1 min
<b>Processing time at room temperature</b>	3 min pourable, after 4 min plastic phase from approx. 7 min	flow phase approx. 2.5-3 min, after transition phase from approx. 4 min solid, further 3 min moldable	flow phase approx. 2.5-3 min, after transition phase from approx. 4 min solid, further 3 min moldable	Mixing time 1 min
<b>Polymerization time</b>	30 min	15 min	15 min	15 min
<b>Water temperature</b>	55°C	40 °C	40 °C	45°C
<b>Pressure</b>	2 bar	2 bar	2–6 bar	2-4 bar