

Print- and sterilization-resistant primer on aluminum foil

Trüb Emulsions Chemie AG offers a number of exclusively water-borne primers in the form of acrylate and acrylate-copolymer dispersions. We provide lacquers with a very good durability. These primers are intended for aluminum foils and may be used for heat press resistance, printability and sterilization. Each product has unique characteristics. More details will be found in the following table.

Product	Heat pressing [1]	Printability UV & NC			Sterilization [5]	Application	Regulations
		Flexo printing [2]	H ₂ O ₂ storage [3]	Water storage [4]			
TECRYL AP-100	380 °C	1	1	1	1	Pet-Food embossed foils protection coating	FDA 21 CFR 175.105 EG 10/2011
TECRYL AP-360	320 °C	4	4	3	1	Primer with good printability	FDA 21 CFR 175.105 EG 10/2011
TECRYL AP-370	360 °C	4	4	3	4	Primer with good printability	FDA 21 CFR 175.105 EG 10/2011
TECRYL AP-260	380 °C	3	3	1	4	For colored dispersions only	FDA 21 CFR 175.105 EG 10/2011

Valuation 1-4 (1: poor, 4: excellent)

[1] 40 µm aluminum foil, 1.5 g/m², dried at 200 °C during 15 sec, 10 cm x 1 cm sealing jaws at 450 N during 1 sec

[2] Printed with the printing machine MPS 330 EF with and without corona treating

[3] 55 °C during 30 min

[4] 100 °C during 30 min

[5] In puffer solution (pH = 7 – 8), 130 °C during 30 min