

Label & Adhesive Specification Requirements

Adhesive & Substrate Specifications (+/- 5% of specific value where applicable)

Minimum Application Temperature	Temperature Service Range	Federal Regulation Approval	Federal Regulation Approval	Typical Adhesion Value Polypropylene	General Field Requirement	Substrate Requirement *See below for exceptions	RPC Wash Requirement
-20°F -28°C	20°F to 130°F -7°C to 54°C	FDA 21 CFR 175.105 Compliant "Indirect" = Yes	FDA 21 CFR 175.125 a & b Compliant "Direct" = NA	180° Peel: 2.5 lb./in	Must adhere to RPC for 28 days 95% of time	Need following options Film TT & DT Paper TT & DT	No damage to RPC No adhesive residue
					No larger than 4"x2"	If intended for 6408, 6411 or 6413 only film approved	Wash off on first pass

*If label is intended for hydro cooling then paper substrates not required as available option.

*If label is intended to be fully dissolvable then film substrate not required as available option.

Approved Substrate/Adhesive Combinations

Product Name	Substrate Name	Adhesive Name	Minimum Application Temperature	Temperature Service Range	FDA 21 CFR 175.105 Compliant "Indirect"	FDA 21 CFR 175.125 (a)(b) Compliant "Direct"	Substrate Type	Printing
UPM RAFLATAC SP184W	54# Raflacoat RP45 40# White Kraft	RP45	-4°F -20°C	-4°F to 140°F -20°C to 60°C	Yes	No	Semi-Gloss Paper 2.7 Mil	TT
UPM RAFLATAC DT209J	Eco RP45 40# White Kraft Paper	RP45	-4°F -20°C	-4°F to 140°F -20°C to 60°C	Yes	No	Thermal Paper 3.2 Mil	DT
UPM RAFLATAC DT92K	RP48AT 40# White Kraft Paper	RP48	-20°F -29°C	-65°F to 200°F -54°C to 93°C	Yes	No	TC Paper 3.2 Mil	DT
MACTAC DTM0902**	Top Coated Paper	LT-20	-32°F -35°C	-40°F to 200°F -40°C to 93°C	Yes	No	Thermal Paper 3 Mil	DT
MACTAC TN5102**	Durascan N Film	HR51	-32°F -35°C	-40°F to 200°F -40°C to 93°C	Yes	No	White BOPP Film 3.1 Mil	TT
TECHNICOTE 86152**	White PP Film	AT333	-20°F -28°C	-65°F to 160°F -54°C to 71°C	Yes	No	White PP Film 3 Mil	DT
TECHNICOTE 992601**	Matte White BOPP Film	AT333 HCWT	-20°F -28°C	-65°F to 160°F -54°C to 71°C	Yes	No	Matte White BOPP 2.6 Mil	TT
TECH-LABEL RPCNC4312TT**	Top Coated White Matte PP Film	NCR4312	-20°F -28°C	-4°F to 140°F -20°C to 60°C	Yes	No	Thermal PP Film 3 Mil	TT
RICOH 140LDS/LES**	Polypropylene Film	G12	-40°F -40°C	-65°F to 131°F -54°C to 55°C	Yes	No	Thermal Film 2.6 Mil	DT

This list is exclusive Only substrate/adhesive combinations found herein may be used on IFCO RPCs. All other products or combinations may not be considered approved and are subject to further enforcement.

These have all passed an initial controlled test but if future tests either in the wash facilities or out in the fields fail the label will be removed from list. There will be a 60 day buying grace period and a 6 month usage grace period for any label removed from the list. Mactac TN5102 is no longer being produced and will be removed off the list in 2 months.

Contact Information: Contact Heather Kniker for questions regarding min/max standards, or if desire to petition for an additional substrate/adhesive combination to be tested for addition to approved list.