

HEATING VENTILATING AIR CONDITIONING GUIDE 1942

TABLE 3. DRYING TIME AND CONDITIONS FOR REPRESENTATIVE MATERIALS^a

MATERIAL	TEMPERATURE DEG F	PER CENT RELATIVE HUMIDITY	DRYING TIME
Apples.....	140-180		6 Hrs
Armatures Varnish.....	200		2.5 Hrs
Banana Food ¼ in. Thick.....	140		4-6 Hrs
Barrels.....	300		15 Min
Beans.....	140		18 Hrs
Bedding.....	150-190		
Blankets.....	120		40 Min
Brake Lining.....	325		12 Min
Brick continuous.....	350 to 90		24 Hrs
Briquets.....	1100		108 Min
Cabbage Raw.....	150		4.5 Hrs
Candied Peel.....	165		2 Hrs
Casein.....	180		5 Hrs
Cereals.....	110-150		
Ceramics before firing.....	150	70 to 20	24 Hrs
Chicle.....	95-100		
Coco-fiber mats.....	170-210		10 Hrs
Cocconut.....	150-200		4-6 Hrs
Coffee.....	160-180		24 Hrs
Conduit (Enamel).....	400 Max		2 Hrs
Cores, Oil sand for molding..... ½-1 in. thick	300		30 Min
Black sand with goulie binder { 3 in. thick	480		2.5 Hrs
about 0.6 of time. { 8 in. thick	480		4.5 Hrs
{ 16 in. thick	700		10 Hrs
Cores, Crank case (in continuous ovens).....	525-600		2-3 Hrs
Cores, Radiator (in continuous ovens).....	275-450		1.5 Hrs
Cornstalk Board.....	150		2 Hrs
Cotton Linters.....	180		
Enamels synthetic.....			
Finish coat on autos.....	225		2 Hrs + Air Dry
Ice boxes all metal (white).....	290-425		1 Hr
Ice boxes wood inside (white).....	225		3 Hrs
Enamel not synthetic.....			
Fence posts green.....	200		1 Hr
Golf balls (white).....	90-95	40-50	18-36 Hrs
Small parts (auto) black.....	450		1 Hr
Steel furniture.....	225-300		30-350 Min
License plates.....	250		1.5 Hrs
Feathers.....	150-180		
Films, Photographic.....	85-110		20-30 Min
Fruits and Vegetables.....	140		2-6 Hrs
Furs.....	110		
Gelatin.....	110		
Glue bone, thin sheets on wire trays.....	70-90		6-9 Days
Glue skin.....	70-90		2 Days
Glue size on furniture.....	130		4 Hrs
Gut.....	150		
Gypsum board ¾ in. thick..... { Start Wet	350		60 Min
{ Finish	275		
Gypsum block.....	350-190		8-16 Hrs
Hair felt.....	180-200		
Hair goods.....	150-190		1 Hr
Hanks on poles.....	120		2 Hrs
Hats felt.....	140-180		
Hides thin leather.....	90		2-4 Hrs
Hides heavy.....	70-90		4-6 Days

^aSee references at end of chapter.

CHAPTER 41. DRYING SYSTEMS

TABLE 3. DRYING TIME AND CONDITIONS FOR REPRESENTATIVE MATERIALS^a—Con.

MATERIAL	TEMPERATURE DEG F	PER CENT RELATIVE HUMIDITY	DRYING TIME
Hops.....	120-180		
Ink printing.....	70-300		
Japan beds.....	300		1.5-2 Hrs
Japan cash register.....	300-450		1.5 Hrs
Japan metal shelving.....	200		30 Min
Knitted fabrics.....	140-180		
Leather mulling.....	78-95	85	
Leather thick sole.....	90	70	4 Days
Leather uppers.....	80		2-3 Days
Linoleum varnish.....	110-145	10-30	6-10 Hrs
Lithographing on tin color work.....	250-270		18-25 Min
Lithographing on tin Japan.....	350		
Lumber green hardwood.....	100-180		3-180 Days
Lumber green soft wood.....	160-220		2-14 Days
Macaroni.....	90-110		24-48 Hrs
Matches.....	140-180		
Matrix.....	350		15 Min
Milk and other liquid foods spray dried.....	135-300		Instantaneous
Millboard sheets.....	95		10 Hrs
Moulds green sand C.I. flasks (one { 8 in. thick	600		6 Hrs
surface only exposed) { 13 in. thick	700		13 Hrs
Motors, field coils.....	180		6 Hrs
Motors, stators.....	250		6.5 Hrs
Noodles.....	90-95		
Nuts.....	75-140		24 Hrs
Oil cloth.....	150		
Paint, wood wheels.....	150	35	8-24 Hrs
Paint, on sheet metal.....	135-140	22-30	2.5 Hrs
Paper, machine dried.....	180		
Paper, air dried.....	90-200		
Paper wall, ground coat.....	140		3 Min
Paper wall, varnished.....	140-160	45	15 Min
Paper cardboard, spirit varnish.....	150		1-2 Min
Peaches.....	135		26 Hrs
Pears.....	140		24 Hrs
Peas.....	150		6 Hrs
Potatoes sliced.....	85		4 Hrs
Potatoes steamed.....	170		6.5 Hrs
Prunes.....	140		
Rags.....	180		
Ramie fiber.....	140		10 Hrs
Rice.....	150		
Rock wool insulation.....	300		8 Hrs
Rubber.....	85-90		6-12 Hrs
Rubber reclaimed.....	140-200		1-2 Hrs
Rugs.....	190		4-8 Hrs
Salt.....	350		Rotary Drier
Sand loose 1 in. deep.....	300		10-15 Min
Sausage casings.....	110		5 Hrs
Shade cloth.....	240		1-2 Hrs
Shirts.....	120		20 Min
Soap.....	100-125		12-72 Hrs
Starch.....	180-200		1-4 Hrs
Stock feed mixed.....	180-220		20-30 Min
Storage battery plates.....	100-110	90 for	24 Hrs
	250	Low for	6 Hrs
Sugar.....	150-200		20-30 Min

^aSee references at end of chapter.