

POSTWELD HEAT TREATMENT REQUIREMENTS FOR CARBON AND LOW ALLOY STEELS Minimum Holding Time at Normal Temperature

TABLE UCS-56

Normal Holding

NΑ

(2) Postweld heat treatment is mandatory under the following conditions: (a) for welded Joints over 1½ in. (38 mm) nominal thickness;

minimum temperature of 200°F (95°C) during welding;

at lower temperatures for longer periods of time in accordance with Table UCS-56.1.

Material	Temperature, °F (°C), Minimum	for Nominal Thickness [See UW-40(f)]		
		Up to 2 In. (50 mm)	Over 2 In. to 5 In. (50 mm to 125 mm)	Over 5 In. (125 mm)
P-No. 1 Gr. Nos. 1, 2, 3	1,100 (595)	1 hr/in. (25 mm), 15 min minimum	2 hr plus 15 mln for each additional inch (25 mm) over 2 in. (50 mm)	2 hr plus 15 mln for each addl- tional inch (25 mm) over 2 in. (50 mm)

(1) When It Is Impractical to postweld heat treat at the temperature specified in this Table, It is permissible to carry out the postweld heat treatment

(b) for welded Joints over 1\(\frac{1}{4} \) in. (32 mm) nominal thickness through 1\(\frac{1}{2} \) in. (38 mm) nominal thickness unless preheat is applied at a

None

None

None

Gr. No. 4

NOTES: