FORM Q-115

RECOMMENDED FORM FOR QUALIFYING THE DESIGN AND THE PROCEDURE SPECIFICATION USED IN ADHESIVE BONDING OF PARTS OF FIBER-REINFORCED PLASTIC PRESSURE VESSELS (CLASS I) (Revision B — 2011)

Procedure Spec	cification Num	nber							
A change	e in any of the	e essential variab	les denoted by a	n asterisk bel	ow require	es a new Proce	dure Specific	ation.	
*Adhesive			(Manufacturer	and Designation)					
*Curing Agent			(Type, Manufactu	rer, and Designati	on)				
*Preparation of	f Surfaces		(Machining, Gri	nding, Degreasing	g)				
*Application of	Adhesive		(Dip)		(Brush)				
*Cure		(Time)				(Temperatui	re)		
Laminate Used in Test (a) From Cylindrical Shell: Outside Diamete		Wall Thickness							
Length of L	.ap [†] <i>L</i>	Fiber Content Other Inform		Other Informati	on				
(b) From Fabric	ated Flat Lam	inate: Thickness			Fiber	Content			
Length of Lap [†] L			Other Information						
		per Fig. Q-115.1. ON SPECIMEN OI	F BONDED JOINT	DIMENSIONE	ED SAME A	AS TYPE 1 SPE	CIMEN OF AS	STM D 638	
	U.S. Cust	omary Units				SI Units			
Thickness of Wall, in.	Reduc Width,		Overall Length, in.	Thick of Wal		Reduced Width, mm	Width Grip, mm	Overall Length, mm	
$\frac{1}{4}$ or under Over $\frac{1}{4}$ to $\frac{1}{2}$, inc Over $\frac{1}{2}$ to 1, incl.		$\frac{\frac{3}{4}}{1\frac{1}{8}}$ $\frac{1^{1}}{2}$	8.5 9.7 12	6 or less Over 6 to Over 13 to	,	13 19 25	19 28 38	216 246 305	
CONDITION OF	SPECIMEN	Specimen sh	all be wiped dry; r			uired.			
			RECORD OF SPE	ECIMENS TES	TED				
	Specimen No.	Thickness	Reduced Width	Length of Bond Overlap	Area of Bond	Total Load, Ib	Shear Stress		
	1					_			
	2								
	3								

FORM Q-115 (CONT'D) (Revision B — 2011)

Qualification of Vessel Wit	h Bonded Joints			
Vessel(s) Serial Number	(s)			
Design Report Number				
Test Report Number				
ASME Section X				
	[Edition and Addend	a (if applicable) Date]		(Code Case Number)
We certify that the stater	nents made in this Spe	ecification are correct:		
Date	mm/dd/\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Signed		
`	mm/dd/yyyy/		(Fa	abricator)
		Ву		
0.45		,		
Certificate of Authorization	ı Number		Expires	(mm/dd/yyyy)
·	OF QUALIFICA	process of fabric	NDING PROCEDURE	cribed in
(Use	Design S	Specification and		(Fabricator)
		on issued by the Nation		and Pressure Vessel Inspectors
joint(s) and the adhesive these tests of the prototy requirements of Section By signing this certificate design or procedure cov	e-bonding procedure here joint(s) and the adle X of the ASME BOILE e, neither the Inspector ered by the Fabricator	nave been qualified and s hesive-bonding procedure R AND PRESSURE VESSI nor his employer makes ''s Design Report. Further	state that, to the be e employed in cons EL CODE, Fiber-Reir any warranty, expre more, neither the li	sts by which the design of the st of my knowledge and belief, tructing the vessel(s) satisfy the aforced Plastic Pressure Vessels. Essed or implied, concerning the aspector nor his employer shall ing from or connected with this
Date	(mm (dd (mm n))	Commission_		
	(ппп,аа/уууу)		(National Board	Number and Endorsement)
	(Authorized Inspector	's Signature)		