

ASME PCC-2 Study Guide

Practice Questions for API 510 Exam

This following is a Study Guide that helps you learn the details of *ASME PCC-2, Repair of Pressure Equipment & Piping - 2022 Ed.* There will be about 8 questions from this document on your API exam. We do **NOT** spend much time in class discussing this publication. So, it is important that you become familiar with this content in your personal study sessions.

The questions in this Guide are list in the order of the Repair Topics. An answer key is provided at the end of the Guide. We suggest you read the specific Repair Topic a couple of times before answering the questions. Do this Study Guide multiple times prior to your API exam! Your Goal — be able to score 85+% on this guide! **Questions highlighted in Yellow are Open Book Questions!**

Good News! Most the PCC-2 questions will be Open Book! Also, most PCC-2 questions on the exam are identified as PCC-2 questions. They read, "Per PCC-2, what is ..."

Article 201: Butt-Welded Insert Plates

1. **An insert plate** is being used to repair a vessel shell that has experienced localized corrosion. Which of the following is correct? **This may have more than one correct answer, select all answers that apply.**
 - A. The repair plate must be the same material as the vessel shell.
 - B. The repair plate should be the same material as the vessel shell.
 - C. The repair plate must have the same P-Number as the vessel material.
 - D. The repair plate should have the same P-Number as the vessel material.
2. The thickness of a butt-welded insert plate:
 - A. should be as thick as the current thickness of the adjacent shell piece.
 - B. must be as thick as the current thickness of the adjacent shell piece.
 - C. should be as thick as the nominal thickness of the adjacent shell piece.
 - D. must be as thick as the nominal thickness of the adjacent shell piece.
3. **A 1.5" thick rectangular** insert plate is being install per ASME PCC-2. What is the minimum allowed corner radius?
 - A. 1"
 - B. 3"
 - C. 6"
 - D. 12"
4. **A square insert plate** that is 1" thick is being install in a vessel in accordance with ASME PCC-2. What is the minimum allowed corner radius?
 - A. 1"
 - B. 3"
 - C. 6"
 - D. 12"
5. **A rectangular insert** plate that is 3/8" thick is being install per ASME PCC-2. What is the minimum allowed corner radius:
 - A. 1"
 - B. 2"
 - C. 3"
 - D. Unspecified radius

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original x

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dentro del integrando que forman hasta una posible constante faltante un par función derivado hacer una sustitución y
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coseno es lo que hace que esta integral se desconozca así que reemplázela por u u let $u = 2x$ $u = 2x$ la integral es ahora $\cos u \, dx$
5 4 1 5 4 1 $\cos u \, dx$