
SECTION HEADING

PLMB 1142: Materials and Fittings

Description

Materials and Fittings introduces the materials and fittings used in the plumbing trade, including copper, plastics, brass, Pex, Galvanized, cast iron and black iron. The application of these material types will be covered, as well as fitting names and their uses.

Credits

2

Prerequisite

None

Corequisite

None

Topics to be Covered

1. Proper use of various types of materials and fittings.
2. Design and layout of fittings in accordance with Minnesota Plumbing code.
3. Identify fitting names and their uses.

Learning Outcomes

1. Demonstrate how to differentiate among the various types of copper.
2. Explain the applications of the various types of copper.
3. Explain the applications of the types of brass.
4. Differentiate the various types of plastics.
5. Demonstrate the applications of plastics.
6. Explain how to differentiate between the types of cast iron.
7. Explain the applications of the different types of cast iron.
8. Explain how to differentiate the types of black iron.
9. Explain the applications of the types of black iron.
10. Understand various other materials used.
11. Identify fittings by their proper names.
12. Demonstrate the proper use of fittings.
13. Demonstrate the applications of Galvanized pipe.
14. Explain the various types of Pex pipe.

Credit Details

Lecture: 1

Lab: 1

OJT: 0

MnTC Goal Area(s): None