



INSTITUTE OF MATERIAL, MALAYSIA

IMM Coating Certification Scheme

Certified B1B2 Assistant Blaster & Painter

Code: ABP

HRDF claimable

This program is designed to fulfill the requirements for the Oil & Gas Industry and other industries with similar requirements to have certified Assistant (Helper) for Blasters & Painters. Candidates are certified after attending a 2 days classroom and training on the industrial fundamental of Blasting and Painting.

The assessment to obtain the certification is a written examination with multiple choice questions and a hands-on examination to verify that the candidates are ready to work as an Assistant Blaster or Painter.

Reference standards (reference used shall refer to the latest published document):

- ISO 8501-1: Preparation of Steel Substrates Before Application of Paints and Related Products - Visual Assessment of Surface Cleanliness - Part 1: Rust Grades and Preparation Grades of Uncoated Steel Substrates and of Steel Substrates After Overall Removal of Previous Coatings
- SSPC PA-1: Shop, Field, and Maintenance Coating of Metals

Who should apply

Existing helpers who are without any certification, other trades interested in Blasting and Painting and fresh entry into the oil & gas industry including school leavers are eligible to enroll for the program.

Objectives

For every topic covered, candidates shall be explained and briefed on the basic concepts, standard approaches and guidance commonly used and practiced by industries. This program is conducted both in a classroom and workshop consisting of 60% lecture and 40% hands-on exercises.

Examination topics

- Introduction to blasting & painting – Theory & practical (Blasting work/painting application)
- Surface preparation & blasting
- Blasting & painting equipment
- Paint & thinner
- Painting application methods
- Common painting system
- Coatings defects and remedy
- Quality inspection checks and tools
- Safety precaution in blasting & painting
- Safety in blasting and painting

The formal assessment includes the following:

- Familiar with safety aspects, rules and regulations in blasting & painting
- Basic knowledge of inspection tools usage and methods
- To be able to read and understand basic usage of technical data
- Understanding the methods of surface preparation, the difference between those methods and the properties of each method.
- Familiar with all drying types and drying factors.
- Able to understand the use of volume solid in paint materials
- Understanding of meaning of drying time, pot life and shelf life

- Knowing the type of application using different application equipment
- Clear understanding of defect, cause and remedy

Examination format

1. Written examination – 25 multiple choice questions – 1 hour
2. Practical assessment
 - i. Set up of equipment's blasting & painting
 - ii. Safety requirement check
 - iii. Application methods blasting & painting

Examination duration

1 Day

Examination fee

As specified on the IMM website.

Candidate's criteria

Candidate should have

- Complete Primary School and
- Able to read and write in English or Bahasa Malaysia

NOTE: Candidate, who does not meet any of the above listed criteria, must attend the full training course before the examination.

Pre-requisite training

A candidate without experience is required to attend IMM approved/recognized training course which prepares and provides comprehensive guidance and practice aligned to the topics covered in the examination.

A candidate with experience is encouraged to attend IMM approved/recognized training course.

Criteria for certification

Written examination – Achieve above 70% marks

Practical Assessment – Obtain Pass in the assessment (Pass/Fail)

Certificate awarded

IMM Certified B1B2 Assistant Blaster & Painter

Validity period of certificate

5 years

Re-sit of examination

A candidate who had failed in one or more of the examination parts can apply to re-sit for the failed component(s) of the examination within a year from the date of the first examination. The candidate shall have to pay the full examination fee for the re-sit and without the need to attend any pre-requisite training course.

Information on re-certification

6 months prior to the expiry of certification (at the end of the 5th year of certification), the candidate can apply for re-certification for another 5 years by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

Prior to the expiry of the 5-year re-certification (at the end of the 10th year of certification), the candidate can continue to be certified for a further 5-year period by

- providing proof to IMM that he/she has been employed in a related profession; and
- attending the relevant Refresher Course for certification (if any).

The candidate must re-sit the certification examination if he/she has been out of the profession for more than 18 months continuously during the 5-year certification or re-certification period.