

2024
Edition



MHE
Group

AAC Certification Program

15 + 2 DAYS EDUCATIONAL PROGRAM FOR
CONSTRUCTION PROFESSIONALS
BY MICHAEL HOFMANN

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ALL PARTICIPANTS RECEIVE OUR STANDARD TECHNICAL MANUAL AS WELL AS AN AAC CERTIFICATION TRAININGS HANDBOOK AND OUR INSTALLATION MANUAL ON DAY 1

DAY 1 START 08:00

1. AAC INTRODUCTION
 - WHAT IS AAC,
 - AAC APPLICATIONS
 - AAC BENEFITS ADVANTAGES
2. AAC OVERVIEW
 - AAC BUILDING SYSTEMS
 - AAC PRODUCT LINE
 - BASIC INSTALLATION SYSTEMS
 - AAC PROPERTIES
 - AAC STANDARD AND APPROVALS
 - AAC ECOLOGY
3. AAC ECONOMICS
 - GENERAL ECONOMICS
 - INITIAL CAPITAL COSTS
 - LIFE CYCLE COSTS

LUNCH BREAK 12: 00 TO 13:00

4. AAC FIRE RESISTANCE
 - GENERAL FIRE RESISTANCE INFORMATION'S
 - FIRE RATED WALL SYSTEMS
 - FIRE RATED FLOOR AND ROOF SYSTEMS
 - FIRE RATED JOINT SYSTEMS
 - FIRE RATED THROUGH-PENETRATION SYSTEM

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DAY 2 - START 08:00

5. THERMAL EFFICIENCY

- BASIC PRINCIPLES
- EQUIVALENT R-VALUE
- AAC ENERGY COMPLIANCE

LUNCH BREAK 12: 00 TO 13:00

6. ARCHITECTURAL DESIGN

- GENERAL DESIGN CRITERIA'S
- DESIGN FLEXIBILITY
- DESIGN COMPATIBILITY
- MOISTURE BEHAVIOR
- EXTERIOR SURFACE TREATMENT
- INTERIOR SURFACE TREATMENT
- ACOUSTIC PERFORMANCE

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DAY 3 - START 08:00

7. STRUCTURAL DESIGN

- GENERAL STRUCTURAL GUIDELINES
- FLOOR PANELS
- ROOF PANELS
- DIAPHRAGM ANALYSIS
- NON-LOAD BEARING WALL PANELS
- LOAD BEARING VERTICAL WALL PANELS
- BLOCKS AND LINTELS
- FASTENERS

LUNCH BREAK 12: 00 TO 13:00

8. INSTALLATION

- GENERAL INSTALLATION GUIDELINES
- INSTALLATION OF HORIZONTAL WALL PANELS
- INSTALLATION OF FLOOR PANELS
- INSTALLATION OF VERTICAL WALL PANELS

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DAY 4 - START 08:00

8. INSTALLATION

- INSTALLATION OF ROOF PANELS
- INSTALLATION OF NON- LOAD BEARING WALL PANELS
- INSTALLATION OF BLOCKS AND LINTELS
- ROUTING GUIDELINES
- MATERIAL HANDLING PROCEDURES
- TOOL REQUIREMENTS

LUNCH BREAK 12: 00 TO 13:00

9. CONSTRUCTION DETAILS

- FLOOR AND ROOF PANELS
- NON-LOAD BEARING WALL PANELS / WALL PANEL CONNECTIONS
- LOAD BEARING VERTICAL WALL PANELS
- BLOCKS AND LINTELS
- INTERIOR WALL PARTITIONS
- ELECTRICAL / PLUMBING INSTALLATION

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DAY 5 - START 08:00

- REFRESH SESSION - A VITAL OPPORTUNITY FOR US TO SOLIDIFY THE KNOWLEDGE WE'VE GAINED IN THE PAST DAYS

LUNCH BREAK 12: 00 TO 13:00

- 2 HR WRITTEN TEST

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DAY 6 - START 10:00

TOUR TO DIVERSE JOBSITES OF EITHER AAC OR OTHER BUILDING MATERIALS

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DAY 7 - REST

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DAY 8 - START 08:00

- TOOL PREPARATION
- INSTALLATION OF FIRST LAYER OF BLOCKS

LUNCH BREAK 12: 00 TO 13:00

- CUTTING AND LAYOUT OF BLOCKS
- LAYING BLOCKS
- PATCHING, CLEANING

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DAY 9 - START 08:00

- SANDING, AESTHETIC
- INSTALL PRE ENGINEERED LINTELS

LUNCH BREAK 12: 00 TO 13:00

- MAKE OWN LINTELS AND SET THEM
- SET LAST LAYER OR U BLOCK
- INTEGRATE OF O-BLOCK (GO-BOLT SYSTEM)

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DAY 10- START 08:00

- SANDING, AESTHETIC
- ROUTING FOR ELECTRICAL CONDUITS AND BACKFILL

LUNCH BREAK 12: 00 TO 13:00

- O-BLOCK AND CORNER INSTALLATION FOR BUILDING SYSTEMS IN SEISMIC ZONES AND HIGH WINDLOADS

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DAY 11- START 08:00

- PREPARING FLOOR PANEL SETTING
- PREPARING TOOLS AND EQUIPMENT

LUNCH BREAK 12: 00 TO 13:00

- LIFTING PROCEDURES
- MANPOWER DEMAND AND ORGANIZATIONAL PROCEDURES

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DAY 12- start 08:00

- PROCEDURE OF SETTING FLOOR / ROOF PANELS
- USING I-BEAMS TO EXTEND AREA

LUNCH BREAK 12: 00 TO 13:00

- USING REBAR FOR DIAPHRAGM
- TIEBEAM FINISH

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DAY 13 - START 08:00

- PROCEDURE OF SETTING VERTICAL LOAD BEARING PANELS
- PREPARING SHORING

LUNCH BREAK 12: 00 TO 13:00

- SETTING VERTICAL LB PANELS

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DAY 14 - START 08:00

- PROCEDURE OF INSTALLING
- PREPARING SHORING

LUNCH BREAK 12: 00 TO 13:00

- SETTING VERTICAL LB PANELS

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DAY 15 - REST

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DAY 16 - START 08:00

- PROCEDURE OF INSTALLING HORIZONTAL CLADDING PANELS
- PREPARING CONNECTION CLIPS

LUNCH BREAK 12: 00 TO 13:00

- SETTING HORIZONTAL CLADDING PANELS

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DAY 17 - START 08:00

- REVIEW OF ALL SYSTEMS

LUNCH BREAK 12: 00 TO 13:00

- 4 HR HANDS ON TEST OF DIVERSE SYSTEMS

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