



# AMCA Certificate in Fire Damper Installation

The AMCA Certificate in Fire Dampers has been developed as a credible, industry-respected course for people involved in: certification, supervision, installation, and re-certification of fire and smoke dampers, which require Essential Services Certification under the NSW EP&A Act.

(Pre-course work and assignment is sent out three weeks prior to course)



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Accredited Certifier – NSW BPB

**Location:** AMCA NSW  
Level 5  
Suite 501  
5 Rosebery Ave  
Rosebery

**Date:** Refer to the AMCA NSW website for details ([www.amcansw.com.au](http://www.amcansw.com.au)); or  
Receive the AMCA-AEA-NFIA Learning and Development Newsletter  
([martin@amcansw.com.au](mailto:martin@amcansw.com.au))

**Time:** 8:30am – 12:30pm Workshop  
1:00pm – 4:00pm Exam

**Who should attend?** Pre-requisites apply to this course.  
Please review the following pages in this document..

**What will I learn?** Successful Participants in this course will have demonstrated competence in the application of building regulations and Australian Standards relevant to the installation and certification of the performance of fire and smoke dampers in new, existing and refurbished buildings.  
Participants are required to:

- Study the pre-course reading
- Complete a pre-workshop assignment (to be submitted at the workshop)
- Attend the workshop
- Complete an exam on the same day as the workshop

**Bookings:** Fax your booking form to **(02) 9313 6282**

**AMCA, NFIA & AEA Members:** **\$480** plus GST per Participant

**Non-Members:** **\$760** plus GST per Participant

## Do You Know?

- How do you know the new smoke/fire dampers currently in your projects are being correctly installed?
- How do you know the existing smoke/fire dampers being certified in your projects will stand up to thorough scrutiny?
- Are you aware of your liability if current or future certification scrutiny discovers installation defects?
- NSW EP & A Act requires certification of smoke/fire dampers (along with other scheduled fire safety systems) prior to occupancy and on an ongoing basis.

## Pre course reading and assignment

Two - three weeks before the course date participants will be sent courses notes and details of a compulsory assignment. Before attending the workshop and examination, participants in this course must:

- Thoroughly study the course notes (allow 1 hour)
- Complete the compulsory assignment (allow 8 – 10 hours to complete assignment).
- Familiarise themselves with the regulatory documents and Australian Standards supplied to all participants (allow 1 hour)

### Please note:

While a cooperative exchange of information is encouraged, the assignment must be the individual work of the participant. Where a question on the authenticity of the work is raised the examiners will contact the individual and their company to discuss.

It is unlikely that participants will pass the exam at the required level without thorough study of the course notes and satisfactory completion of the assignment.

## Course Content

- Fundamentals
  - Fire compartments and separation
  - Protection of openings and fire resistance levels for protection of occupants from fire and smoke
- Regulations and Standards
  - The N.S.W. EP & A Act and Deemed-to-Satisfy requirements of the BCA, AS1668.1, AS1682.1 & 2, with explanation of where the regulations require openings (and shafts) to be protected, and to what degree, and to what performance levels.
- Hardware
  - What are fire and smoke dampers?
  - What types are currently available?
  - How do they work, what is their performance?
  - How they are originally tested and approved for use, what conditions apply?
- Installation
  - What are the requirements and conditions of installation?
  - What is an acceptable installation?
  - What about the associated building works?
- Certification
  - What are the regulatory certification requirements?
  - Who can certify and on what basis?
  - What are the consequences of getting it wrong?
- Maintenance
  - What are the requirements of maintenance?
  - What is an acceptable level of maintenance?

**Examination** A supervised 1½-hour examination will be held on the same day as the workshop. The exam is “open book”, comprising multiple choice and short answer questions.

**Certification** Participants who achieve or exceed the required standard in the assignment and examination, and who have the required industry experience (see below Prior Experience) will be awarded a Certificate of Competency in Fire Damper Installation, as formal recognition by the AMCA that they have demonstrated competence in the application of building regulations and relevant Australian Standards to the installation and certification of performance of fire and smoke dampers in new, existing and refurbished buildings. (Alternative Solutions as a method of satisfying the performance requirements of the BCA will not be covered by this certificate.)

**Prior Experience** In order to be eligible for an AMCA Certificate of Competency in Fire Damper Installation participants in this course must have had previous experience in the installation, supervision of installation or certification of fire and smoke dampers. The following levels of experience are considered a minimum prerequisite for this course:

- Three years supervised installation of ventilation ductwork in multi-compartment buildings, involving fire and smoke damper installations

**OR**

- Three years supervised checking operation, maintaining and certifying fire and smoke damper installations

**OR**

- Three years as a site supervisor or site manager of ventilation ductwork installation in multi-compartment buildings, involving fire and smoke damper installations, of which at least two years must have been supervised work

**OR**

- Five years as a consultant’s site supervisor of ventilation ductwork installation in multi-compartment buildings, involving fire and smoke damper installations, of which at least two years must have been supervised work.

**Course costs  
breakup**

<b>4 hour workshop:</b>	AMCA members: <b>\$35</b> per hour plus GST Non-members: <b>\$70</b> per hour plus GST
<b>Course material:</b>	<b>\$100</b> + GST
<b>Marking of assignment and exam:</b>	<b>\$100</b> + GST
<b>Total</b>	<b>\$340</b> + GST per Member Participant <i>or</i> <b>\$480</b> + GST per Non-Member Participant