

DECIDAMP® CLA / CLS

This installation guide provides recommendations to maximise the service life of Decidamp CLA/CLS in general applications.

KEY INSTALLATION REQUIREMENTS

- Attention to detail and good workmanship in any necessary applying, cutting and fixing the product on to the substrate is essential.
- Applying Decidamp CLA/CLS to at least 70% of the structure provides sufficient damping, resulting in reduced vibration, lower radiated noise and higher transmission loss, making CLA/CLS an effective treatment for low frequency noise.
- Apply above ambient temperatures of 10 °C (50 °F)

DESCRIPTION

- Decidamp CLA/CLS is a constrained layer, visco-elastic damping material designed to reduce structural vibration and sound transmission within metals greater than 2 mm in thickness.
- Decidamp CLA is an aluminium-face based product.
- Decidamp CLS is a steel-face based product.

WORKING HEALTH AND SAFETY

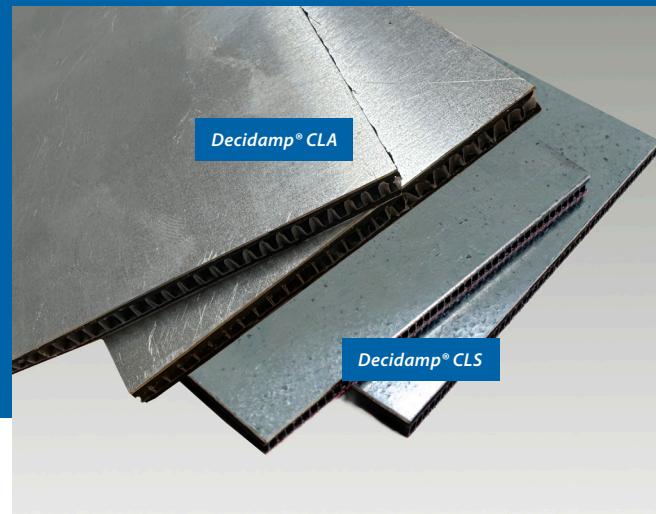
- Personal Protection Equipment (PPE) is recommended.
- Always follow, read and understand any information contained within the product technical datasheets and safety data sheets.
- If unsure, please consult with your local Pyrotek representative regarding the application of the product.

Note: This installation is suitable for professional and experienced users only.

GENERAL GUIDELINE RECOMMENDATION

SURFACE PREPARATION

It is important to ensure that all target surfaces (whatever the substrate as per the Technical Data Sheet) are clean, dry and free of contaminants (e.g. liquid, dirt, dust, oil, loose paint, rust, wax, grease, fibreglass release agents). Compatibility with cleaning agent must be tested before hand.



Pyrotek offers an aluminium-faced (CLA) and steel-faced (CLS) product.

applications

- Decidamp CLA on aluminium & rigid plastics (ABS, Fibre reinforced plastic, Carbon composite, etc.) surfaces
- Decidamp CLS on steel surfaces and structures
- Marine vessel applications such as bulkheads, hull construction, tank tops, engine bed girders and the structure above props
- Heavy machinery panelling
- Generators, compressor covers and machine housing guards
- Metal air-conditioning ducts and compressor housings
- Laundry and garbage chutes, hoppers, lids and bins



GENERAL GUIDELINE RECOMMENDATION *(continued)*

TOOLS FOR INSTALLING DECIDAMP CLA/CLS

Decidamp CLA/CLS tiles require basic tools for installation (see images for reference):

- A. Retractable safety blade / knife
- B. Tape measure
- C. Large square
- D. Straight edge
- E. Flat spatula or roller

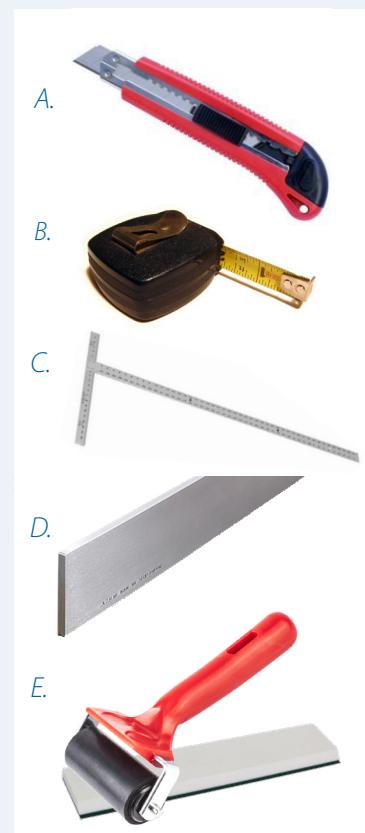
MEASURE AND PRE-CUT WHERE REQUIRED

Decidamp CLA/CLS is manufactured in standard tile sizes as per the dimensions listed in the Technical Data Sheet. Decidamp CLA (aluminium-faced product) can easily be cut to size as required and should be done before installation:

- Measure surfaces where product is to be installed.
- To cut, when needed, cut with aluminium side facing downward, use straight edge and cut with a sharp utility knife.
- Ensure knife is sharp, multiple passes with knife may be needed.
- Metal cutting tools may be used if required.
- Handle cut edges with care.
- Excessive cutting or reduction in size should be avoided to prevent loss in product performance.

INSTALLING DECIDAMP CLA/CLS

- When installing Decidamp CLA/CLS tiles, remove the liner entirely and allow the adhesive-backed material to relax for 10 to 30 seconds to release tension before applying to the substrate.
- Apply the tile with the adhesive to the substrate as soon as possible after the step above to prevent it from potentially being contaminated.
- Apply the product with firm and consistent pressure to the mounting surface.
- Apply material without trapping any air pockets - use a 150 mm thick x 200 mm wide rubber roller or flat spatula pressing uniformly and firmly in one direction only, making sure the adhesive is fully bonded to the substrate. Firm pressure develops better adhesive contact and improves bond strength and also pushes out some of the air pockets that might have been trapped.
- If the minimum coverage required is unknown, a minimum of 70% coverage is recommended.
- Maximum adhesive strength will be achieved in 24 hours.
- Apply above ambient temperatures of 10 °C (50 °F)



NOTE: All information above only serves as a general guideline for the installation of Decidamp CLA/CLS. Installation may vary in a case-by-case situation.

Please contact Pyrotek® for further information or detailed advice on your specific application.

For further information and contact details, please visit our website pyroteknc.com

Caveats: Specifications are subject to change without notice. The data in this document is typical of average values based on tests by independent laboratories or by the manufacturer and are indicative only. Materials must be tested under intended service conditions to determine their suitability for purpose. The conclusions drawn from acoustic test results are as interpreted by qualified independent testing authorities. Nothing here releases the purchaser/user from responsibility to determine the suitability of the product for their project needs. Always seek the opinion of your acoustic, mechanical and fire engineer on data presented by the manufacturer. Due to the wide variety of individual projects, Pyrotek is not responsible for differing outcomes from using their products. Pyrotek disclaims any liability for damages or consequential loss as a result of reliance solely on the information presented. No warranty is made that the use of this information or of the products, processes or equipment to which this Information Page refers will not infringe any third party's patents or rights.

