

INTRODUCTION

The inclusion of the tank insulation panel system (TIPS®) in KAEFER's range of products and services is part of an ongoing policy of supplying clients with a comprehensive range of innovative industrial products.

TIPS® is a generic design which can be adapted to meet specific roof and wall insulation and cladding requirements.

As with all KAEFER products, the TIPS® system is tested to meet stringent quality control standards.

THE BENEFITS OF TIPS®

- Reduces site installation hours by more than half.
- Can significantly reduce scaffolding costs. Much of the work can be performed from mobile access equipment.
- Reduces the incidence of corrosion under insulation on tanks.
- Is manufactured away from the construction site and this process is mostly unaffected by events on the site.
- Can significantly reduce accommodation costs in remote locations due to the reduced site hours.
- Directly impacts in a positive way on site safety and industrial relations.
- Creates great flexibility within the construction schedule due to the reduced site hours required for installation.

Effectively reduces the total cost of insulation while reducing the level of project risk on a major construction site.

THE SYSTEM

The TIPS® system is a factory engineered and manufactured insulation panel system. The TIPS® P series consists of polyurethane foam fixed to preformed metal sheets on both sides. The TIPS® G and M series compromise glasswool or mineral wool insulation sandwiched between selected external profiled sheet and a supporting wire mesh on the inside.

Each panel interlocks with its neighbour forming a structurally reinforced joint and fully weatherproof external cladding.

TIPS® is screw fixed directly to fixing rails which are welded to the tank using stand-off cleats which enable the panels to be installed incorporating a small air gap between the insulation and the tank wall.

MARKETING & SALES

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Based on information provided by the client, and where necessary supplemented by a site inspection, the KAEFER engineers design the complete system. This includes insulation material selection, cladding materials and finish selection, panel size and fixing method.

The type and thickness of insulation materials will be selected to provide the desired insulation properties at the lowest cost. Cladding materials will be recommended which meet requirements for durability, aesthetics and mechanical protection.

The entire system is designed to accommodate the expected loadings in terms of foot traffic, maintenance activity and climatic conditions.

The TIPS® system is supplied as a full package including panels, all flashings, fasteners and fixing rails.

- New tanks can be set up for TIPS® at the time of fabrication. KAEFER can provide detailed design drawings to enable the fixing rails to be installed while the tank is being built. This may offer cost savings when compared to installing the supports on site, especially if the project is in remote locations.

FINISHES

KAEFER's TIPS® offers the ultimate in flexibility in regard to the types of metal finish. The panel system is available in aluminium, steel, colorbond, Galvabond and stainless steel with colours to meet specific company requirements.

Process factors such as corrosion resistance are also readily accommodated.

INSULATION MATERIALS

The panels can be provided to include any conventional insulation material. These include polyurethane or polyisocyanurate foam (P – series), glass wool (G – series) or mineral wool (M – series).

NOTE

The information contained herein is accurate and reliable to the best of our knowledge. As KAEFER has no control over installation, workmanship or application conditions, no representation or warranty, expressed or implied, is made as to the performance or results of installations containing its products.

KAEFER has a policy of continuous improvement, so details as published above may be subject to change.

