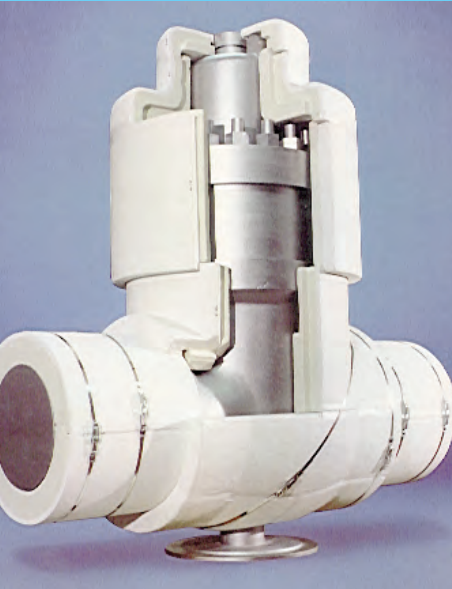


APPLICATIONS

Promat MODLAG® calcium silicate can be used on equipment and piping in the nuclear power, petrochemical, offshore, marine, food hygiene and other industries. Promat MODLAG® provides many benefits including:

- Fully finished interlocking system
- Clean and simple to apply
- Ideal for use in areas of limited access, regular maintenance, complex shapes and installations
- Excellent thermal insulation
- Individual designs manufactured to suit specific client requirements
- Removable and re-useable
- Non-combustible
- Non-corrosive
- Long term cost savings



HEALTH AND SAFETY

A safety data sheet is available from the Promat Technical Services Department and, as with any other materials, should be read before working with Promat MODLAG®. It is not classified as a dangerous substance and so no special provisions are required regarding the carriage and disposal of the product to landfill. Promat MODLAG® can be placed in an on-site skip with other general building waste which should be disposed of by a registered contractor.

INTRODUCTION

Promat MODLAG® is an engineered removable and re-usable calcium silicate thermal insulation system. Each piece is moulded and machined to provide an interlocking tailor-made modular package for vessels, pipework, fittings and equipment. The Promat MODLAG® system speeds application and is ideal for use in areas of limited access or on complex shapes and installations where regular maintenance and inspection requires easily removable and replaceable insulation.

Promat MODLAG® insulation is based on hydrated calcium silicate containing evenly distributed reinforcing fibres. It is formulated without asbestos.

Performance and properties

Maximum recommended operating temperature	730°C	
Compressive strength	As manufactured, thickness reduction	2% at 700kN/m ²
	After 24 hours immersion in water, thickness reduction	5% at 400kN/m ²
Flexural strength	500kN/m ²	
Linear shrinkage after full heat soaking at 730°C	1.6%	
Thermal conductivity (K value at mean temperature)	50°C	0.055W/mK
	100°C	0.058W/mK
	150°C	0.063W/mK
	200°C	0.069W/mK
	250°C	0.075W/mK
	300°C	0.083W/mK
	350°C	0.092W/mK

NOTE: All physical property values are averages based on standard production. The figures can change dependent on the test methods used. If a particular value is of prime importance for a specification, please contact Promat Technical Services Department.

FITTING

Promat MODLAG® can be secured with stainless steel banding, stainless steel tie wire or 3M No.69 self-adhesive tape. Other fixings may be suitable.

We recommend longitudinal and circumferential joints are sealed by applying 3M No.69 self-adhesive tape, or similar, and brush coating the tape with an appropriate mastic.

REMOVAL

Cut through the self-adhesive tape with a sharp knife, remove any metal banding or tie wire and lift off the Promat MODLAG®.

FORMS OF SUPPLY

Promat MODLAG® calcium silicate is supplied tailor-made to provide an engineered, fully finished removable and re-usable thermal insulation system. It can also be supplied plain and unfinished if required.

STORAGE

Store Promat MODLAG® pieces in suitable dry conditions.