



Thermal Insulation Chemicals

TIC CORPORATION

Product Data Sheet

TIC 9050

Gypsum Plaster

Description

TIC 9050 Gypsum Plaster is reactive powder type gypsum, which can be changed as incombustible Adhesive, Bore Coating, HT reinforced Cellular Glass and Inorganic Materials when this product is mixed with water.

TIC 9050 Gypsum Plaster is applied generally over 93 °C (199 °F) and can be used at special ranges of temperature.

TIC 9050 Gypsum Plaster can be differentiated by the mixing rate, Temperature, size of reactors, testing materials and printed time and this product can be used at the place where firearms are exposed.

TIC 9050 Gypsum Plaster contains no asbestos, lead, mercury, or mercury compounds.

Properties

Property	Specification	Test method
Color	White, Gray	TSTM-01
Application	Trowel	TSTM-06
Density	1.05 ± 0.05 kg/ℓ	ASTM D 1475
Mixing ratio	Weight - Gypsum Plaster : Water = 2 : 1 (Subject to change by site situation)	TSTM-21
Coverage	2.1 kg/m ² (2.0 ℓ/m ²) (Dried film thickness: 2 mm)	TSTM-07
pH	Alkaline	TSTM-20
Service temperature limits	(Temperature at coated surface) -196 °C ~ 500 °C (-320 °F ~ 932 °F)	TSTM-04

Limitations

Store and apply between 4 °C (40 °F) and 38 °C (100 °F). Keep away from water and moisture during storage.

Do not apply it below 0 °C (32 °F).



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Application Guide

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Material Preparation

Mix it with adequate water and stir well. Do not use sticks or boards, which would splinter or otherwise contaminate the product. Apply only to clean, dry surfaces that are free from dust, dirt, and oil. Keep container closed when not in use.

Application

Apply TIC 9050 Gypsum Plaster evenly on the surface to make even thickness with clean steel trowel and sufficient thickness on completely dry substrate. Do not trowel excessive amount of plaster.

Clean-up

TIC 9050 Gypsum Plaster can be cleaned by hot water before drying.

Note

Important: We make no other warranties and expressly disclaim any warranties of merchantability or fitness for a particular purpose. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. Our acceptance of any orders for the product is expressly conditional upon purchaser's assent to the terms on the applicable invoice.

Adequate Tests: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be performed by you to determine if this product meets all of your requirements. The shelf life can be affected by storage and handling conditions. When products are stored in the original unopened container in an enclosed area and protected from contamination, moisture and extreme temperatures, the warranted shelf life is twelve months from the date of shipment to the original purchaser.