

## **GENERAL DESCRIPTION OF GILSONITE IN PAINT**

GILSONITE CONCRETE FLOOR PAINT IS SPECIAL NATURAL ASPHALT TO PROTECT AND DECORATE FLOORS IN HOMES AND INDUSTRY, BOTH INDOORS AND OUTDOORS. GILSONITE CONCRETE FLOOR PAINT IS A SCIENTIFICALLY FORMULATED "TREATMENT" FOR MASONRY FLOORS. IT OUTPERFORMS ORDINARY FLOOR PAINT UNDER TRAFFIC, WASHINGS, WEATHER, ACIDS AND ALKALIS.

IRAN GILSONITE BASE PAINTS WITH BELOW SPECIFICATION AFTER MIX WITH SOLVENT:

- CONCRETE FLOOR PAINT
- FORMULATED TO PROTECT AND DECORATE MASONRY FLOORS
- FOR INTERIOR OR EXTERIOR USE
- LOW VOC
- NON SLIP
- LOW SHEEN
- FAST DRYING
- NO PRIMER NEEDED
- CLEANS UP WITH SOAP AND WATER
- LATEX BASE

## **SUITABLE GILSONITE IN PAINT**

GILSONITE, WHEN FLUXED WITH RAW TUNG OR OITICICA OIL, GIVES AN UNSTABLE LIQUID, THAT IS, ONE WHICH WILL TAKE ON EXCESSIVE BODY WHEN AGING, AND ONE WHICH IS NOT GAS-PROOF.

THE USE OF THE PRESENT TYPE OF OILS, HOWEVER, RESULTS IN A PAINT WHICH DOES NOT TAKE ON EXCESSIVE BODY UPON AGING AND AT THE SAME TIME DOES NOT CHECK AND DETERIORATE RAPIDLY UPON EXPOSURE.

DRIERS, SUCH AS LEAD, COBALT, OR MANGANESE OXIDE, OR THE LIKE, MAY BE INCORPORATED TO CONTROL THE DRYING TIME OF THE FINISHED PAINT. THINNING OILS SUCH AS MINERAL SPIRITS, SOLVENT NAPHTHA, OR ANY GOOD SOLVENT FOR THE GILSONITE AND THE OILS, INCORPORATED TO BRING THE PAINT TO THE DESIRED CONSISTENCY. THIS NORMALLY REQUIRES ABOUT 50% TO 65% BY WEIGHT OF THINNING OILS.

## USE OF GILSONITE USE IN PAINT

A PAINT CONSISTING ESSENTIALLY OF 20 GALLONS OF PETROLEUM SOLVENT, 10 GALLONS OF LINSEED OIL, 10 GALLONS TURPENTINE, POUNDS OF GILSONITE PIGMENT, 4 GALLONS VARNISH MIXTURE CONSISTING OF 17.8% PENTAERYTHRITOL ROSIN ESTER, 30.8% DEHYDRATED CASTOR OIL, 1.4% OF A MIXTURE OF LEAD, COBALT AND MANGANESE NAPHTHENATES, 1 GALLON WETTING AGENT CONSISTING ESSENTIALLY OF SALTS OF PETROLEUM SULFONIC ACIDS, 2 QUARTS OF DRIER, AND 1 PINT OF A HYDROCARBON SILICON PENETRATING OIL, OBTAINED BY HEATING A MIXTURE OF FINELY GROUND SILICON DIOXIDE UNDER PRESSURE TO A TEMPERATURE OF ABOUT 300 F. WITH A DISTILLATE PRODUCT OBTAINED BY SUBJECTING GILSONITE TO FRACTIONAL DISTILLATION, SAID DISTILLATE PRODUCT BEING THAT FRACTION WHICH DISTILLS AT A TEMPERATURE RANGE OF ABOUT 430 F. TO 438 F

COLOR OF GILSONITE DEPEND ON TEMPERATURE OF MELTING ALSO COULD BE BLACK, BROWN TILL RED.

## ADVANTAGE OF GILSONITE IN PAINT INDUSTRY

ENVIRONMENTAL CONCERNS HAVE BEEN RAISED AND GILSONITE IS NO LONGER AN OPTION.

OIL BASED SEALERS ARE BAD FOR THE ENVIRONMENT, DON'T MEET FEDERAL SPECS, AND ARE OUTLAWED IN SEVERAL STATES DUE TO HIGH VOC'S. (POLLUTANTS)

## PACKING OF GILSONITE "NATURAL ASPHALT" LUMP AND POWDER FORM "MICRONIZED"

GILSONITE IN LUMP FORM LIKE ROCK PACKED IN 500~1000KG JUMBO BAG

GILSONITE 200 MESH PACKED IN 500~1000KG JUMBO BAG

GILSONITE 300 MESH PACKED IN 500~1000KG JUMBO BAG

GILSONITE 30-40 MESH PACKED IN 500~1000KG JUMBO BAG

GILSONITE 100 MESH PACKED IN 500~1000KG JUMBO BAG

GILSONITE 300 MESH PACKED IN 25KG PP BAG

GILSONITE 200 MESH PACKED 25KG MULTI PAPER BAG

GILSONITE 200 MESH PACKED 50LBS MULTI PAPER BAG

GILSONITE 30-40 MESH PACKED PP BAG ON PALLET

BULK ON VESSEL



**SPECIFICATION OF GILSONITE WITH DRILLING FLUID APPLICATION**

NO	TEST	RESULT	TEST METHOD
1	ASH CONTENT,WT%	1.5	ASTM-D3174
2	MOISTURE CONTENT,WT%	1%	ASTM-D3173
3	VOLATILE MATTER,WT%	63	ASTM-D3175
5	SOLUBILITY IS CS2,WT%	81	ASTM-D4
6	SPECIFIC GRAVITY @25 C	1.11	ASTM-D3289
7	NORMAL HEPHTHAN INSOLUBLES,WT%	90	ASTM-D3279
8	COLOR IS MASS	BLACK	-----
9	COLOR IN STREAK OR POWDER	BLACK	-----
10	SOFTENING POINT,C	145	ASTM-D36
11	PENETRATION @25C	0	ASTM-D5
<b>ELEMENT ANALYSIS</b>			
1	CARBON,WT%	84	ASTM-D5291
2	HYDROGEN,WT%	7.1	ASTM-D5291
3	NITROGEN,WT%	3.67	ASTM-D5291
4	OXYGEN,WT%	3.1	ASTM-D5291
5	SULPHURE,WT%	4	LECO(S)ANALYZER

**OUR APPROVALS**

