



## **MERGUSS GROUT®**

### **Description**

MERGUSS GROUT® is ready to use, cementitious grout, which having self-level, non-shrink, and high strength properties, but also it is very economical and practical in uses.

Due to its excellent performance, some evaluation proved that MERGUSS GROUT® can replace Epoxy grout, it can answer the problem of filling voids, connecting function between upper and lower structures, grouting bridge bearings, machine sole-plates, rail-plates, anchor bolts and other equipments involving high vibratory conditions or high early strength and superior flowability.

MERGUSS GROUT® is produced under strict quality control to guarantee its excellent quality.

### **Uses**

MERGUSS GROUT® is recommended for the grouting of:

- . Diesel engines, turbines, generators, or other equipments.
- . Bedding heavy machinery, column base plates.
- . Bridge bearings, railroads, crane rails.
- . Joint between precast concrete units, connection between upper and lower structures.
- . Steel rolling mills, paper mills, rubber mills machinery.

### **Advantages**

#### **Easy to install :**

MERGUSS GROUT® does not require special skill for mixing, it is simple to use, just put water into it, mix, and pour. It has excellent workability, flowable consistency, unique void filling action. It won't segregate when vibrated, MERGUSS GROUT® can also be pumped. All that makes MERGUSS GROUT® can speed up the grouting schedule.

#### **Low cost :**

It has already known that Epoxy grout has an excellent performance, but the price is very high. MERGUSS GROUT® has developed to overcome this problem, high performance but low price. No complicated preparations for mixing are required, therefore it can reduce labour cost. It develops high early strength and high final strength, it is resulting shortened waiting periods.

#### **High strength :**

MERGUSS GROUT® develops very high compressive strength :

High initial strength (1 day = 45 MPa.)

High final strength (28 days = 85 MPa.)

MERGUSS GROUT® has a unique void filling action, that results in increasing density, high bonding strength and high bending strength.

**Non - Shrink**

MERGUSS GROUT® is guaranteed no shrinkage, but controlled expansion. It eliminates the danger of settlement or cracks, that reduce the effective bearing surface of the grout.

**Non - Corrosive**

MERGUSS GROUT® is chloride free, Alumina free and non-metallic grout, therefore MERGUSS GROUT® free from rusting or self - destructing when exposed to moisture.

**Fire Resistant**

MERGUSS GROUT® consist of incombustible material.

**Water Resistant**

MERGUSS GROUT® is homogeneous mortar structure, and specially chosen grading, makes it water impermeable.

**General Information**

Packaging	25 kg / Paper Bag
Yield	Approximately 13 - 13.5 lt / 25 kg Bag
Water Requirement	3.5 - 4 lt / 25 kg bag
Storage	Store in cool and dry place avoid direct contact with sunlight 5 layers per pallet.
Shelf Life	Approx. 6 months in sealed bags and good storage condition
Grades	MERGUSS GROUT® is available in 3 grades: Coarse for cavity depth more than 5 cm. Medium for cavity depth between 2 - 5 cm. Fine for cavity depth less than 2 cm.

**Preparation**

**Substrate :**

Base concrete should be made sound, free from loosen parts, free of oil, grease, and laitance. Keep moisten for 24 hours prior to grouting. Metals coming into contact with MERGUSS GROUT® (e.g. mixers, foundation anchors, machine bed plates, etc.) should be cleaned, free of oil, grease, rust or scale.

**Form :**

Forms should be built rigidly and in such a way that the grout will flow out through the other end.

**Mixer :**

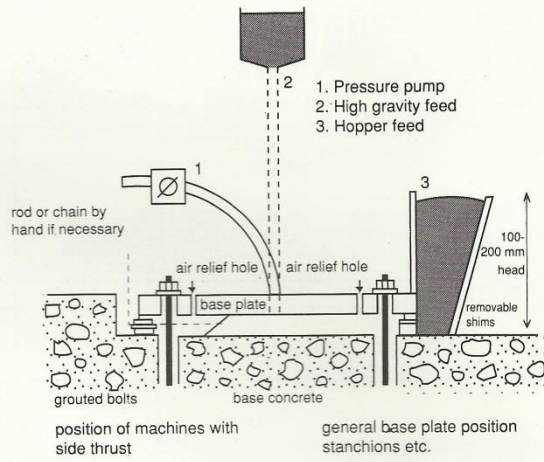
To ensure continous grouting, two mixers should be used. Pan type mixer, compulsor type mixer, or electric drill with stirring bar can be used.

**Application**

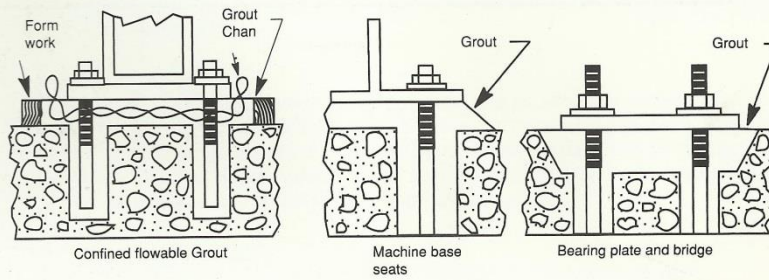
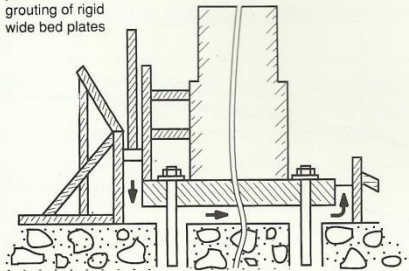
- Remove water puddles by soaking up or blowing out with air compressor.
- At low temperature (minimum 5° C), all parts to be grouted are to be warmed up (pre-heating by steam etc.), and the grout temperature should be maintained not lower than 5° C during first 14 hours.
- For mixing use tap water only, and at low temperature, water should be heated up 15° - 20° C, and should not exceed 40° C.  
The fresh mortar temperature should be below 30° C.
- Mixing ratio = MERGUSS GROUT® : Water = 6.25-7.14 : 1 by weight (approx. 3.5 lt - 4 lt per bag).
- Pour about 3/4 of the gauging water into the mixer, add MERGUSS GROUT® gradually into the running mixer. Then add the rest of gauging water as needed for desired consistency.
- Pour the grout immediately and continuously, pour from one side only to avoid air-entrapment.
- Protect MERGUSS GROUT® from freezing at least the first 7 days.
- To prevent drying out rapidly, cure the fresh grout immediately after placing by covering with wet burlap, plastic sheet or frequent moistening with water.  
Do not use any curing agent if concrete is to be applied on the grout.



The diagram below illustrates typical methods of placing MERGUSS GROUT®



Well and plunger pressure-grouting of rigid wide bed plates



The information and recommendations herein are given in good faith based on our best knowledge, testing and experience. Since conditions of use are beyond the manufacture's control, guarantee is limited to quality of materials delivered.