MasterFlow® 928T  (Formerly Known as Masterflow 928T)

Cementitious high strength non-shrink precision grout

**DESCRIPTION**

MasterFlow 928T is a non-shrink, natural aggregate precision grout with excellent high early and ultimate strengths. It is specially formulated to provide extended working time even at high ambient temperatures when mixed and placed at any recommended consistency. MasterFlow 928T is normally placed at a flowable consistency to completely fill voids between 25mm and 100mm. Thicknesses greater than 100mm are possible with the addition of aggregate.

**RECOMMENDED USES**

MasterFlow 928T is used for all precision, non-shrink grouting applications with clearances of 10mm or more, including:

- critical equipment baseplates, soleplates & columns;
- precast wall panels, beams, columns, structural building members and curtain walls;
- patching poured in place concrete structures, e.g. honeycombing, using preplaced aggregate techniques;
- underpinning;
- concrete repair applications where a form and pour material is required;
- applications requiring high early compressive strengths and high ultimate compressive strengths.

**FEATURES AND BENEFITS**

- **High early strength** – Ensures rapid commissioning of new equipment and structures.
- **High ultimate strength** – Ensures permanence of the installation under static and moderate repetitive loads.
- **Flowable long life grout** – Easy to grout intricate spaces normally inaccessible by conventional grouting technique.
- **Extended working time** – Facilitates grouting of large or difficult placements in a single pour, often without the use of a pump.
- **Dense, non-shrink grout** – Hardens free of bleeding, settlement and drying shrinkage, ensuring tight contact with all grouted surfaces.
- **Easy to use** – Requires no special mixing equipment, it can be mixed in a standard concrete mixer or in a pail using a grout stirrer.
- **No added chloride** – Does not add to chloride load of structure.

**PROPERTIES**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supply form</td>
<td>Free flowing cement grey powder</td>
</tr>
<tr>
<td>Density (wet)</td>
<td>2200Kg/m²</td>
</tr>
<tr>
<td>Volume expansion</td>
<td>&lt; 1.5 % (Plastic stage)</td>
</tr>
<tr>
<td></td>
<td>&gt;0.05% (hardened stage)</td>
</tr>
<tr>
<td>Compressive strength at 25°C (ASTM C 109, 70mm Cube)</td>
<td>1 Day 35 MPa</td>
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<tr>
<td></td>
<td>3 Days 55 MPa</td>
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<tr>
<td></td>
<td>7 Days 65 MPa</td>
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<tr>
<td></td>
<td>28 Days 75 MPa</td>
</tr>
<tr>
<td>Flexural strength (ASTM C 78)</td>
<td>28 Days 9 MPa</td>
</tr>
<tr>
<td>Modulus of Elasticity</td>
<td>28 Days &gt;32 GPa</td>
</tr>
<tr>
<td>Pull out Bond strength</td>
<td>7 Days &gt;17 MPa</td>
</tr>
<tr>
<td>Bond Strength to concrete</td>
<td>28 Days &gt;3 MPa</td>
</tr>
<tr>
<td>Dynamic load resistance</td>
<td>Condition of sample</td>
</tr>
<tr>
<td></td>
<td>Compressive strength</td>
</tr>
<tr>
<td></td>
<td>undamaged</td>
</tr>
<tr>
<td>Specimen subjected to alternating loads of 5 and 25 MPa at 300 cycles per minute and for 2000000 cycles and then tested for compressive strength</td>
<td>Slightly higher</td>
</tr>
<tr>
<td>VOC content: (SCAQMD 304-91)</td>
<td>6 g/L</td>
</tr>
</tbody>
</table>

**ESTIMATING DATA**

One 25 kg bag of MasterFlow 928T mixed with 3.75 L water will yield 13 L of flowable grout at 20°C.

**APPLICATION**

For information about application, please obtain a copy of the BASF “Application Guide for MasterFlow Cementitious Precision Grouts” from your local representative. For ‘dry pack’ (damp pack) application, refer to MasterFlow 700.

**PACKAGING**

MasterFlow 928T is packaged in 25kg bags.
### MasterFlow® 928T

#### SHELF LIFE

*MasterFlow 928T* has a shelf life of approximately 6 months when stored in a cool dry environment.

#### PRECAUTIONS

For detailed Health, Safety and Environmental Recommendations, please consult and follow all instructions on the product Material Safety Data Sheet (MSDS) from our office or our website.

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**STATEMENT OF RESPONSIBILITY**

The technical information and application advice given in this BASF Construction Chemicals publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of products for their intended use.

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