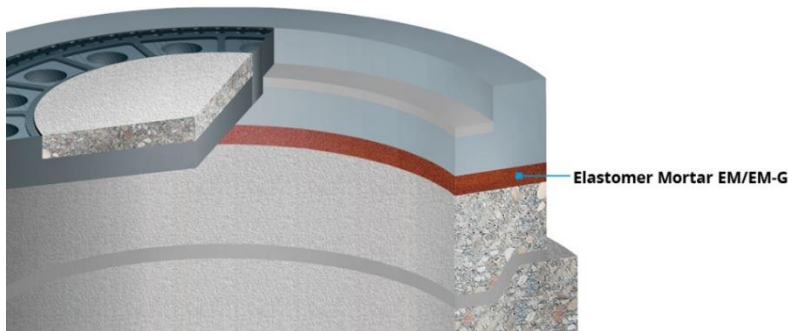


DENSOLASTIC®-EM/-EM-G



Product Information



Special Advantages:

- Permanently elastic.
- Vibration damping.
- For highest levels of static and dynamic loads.
- High resistance against frost and deicing salt.
- Quick reopening to traffic possible.
- The material can be delivered as a pourable version (**EM-G**) or as a spatula version (**EM**).

Two-component durable and permanently elastic plastic mortar for dynamically-loaded joints.

For a century now, DENSO Group Germany represents experience, quality and reliability for corrosion prevention and sealing technology. The success of the internationally leading corporation is based on the development of the "DENSO-Tape", which was already patented in 1927 as the first product worldwide for the passive corrosion prevention of pipelines. Since then, the DENSO Group Germany establishes and guarantees the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees continuously implement safe and individual solutions in a personal cooperation with the customer.

Product Description

DENSOLASTIC®-EM consists of a two-component polyurethane-based material with a filler content. The material can be delivered as a pourable version (**EM-G**) or as a spatula version (**EM**).

The elastomer mortar is highly stable after it hardens and permanently elastic. Official testing by independent testing laboratories have proven the excellent material properties of **DENSOLASTIC®-EM**.

Dynamic fatigue loading was examined during the tests, among other things. **DENSOLASTIC®-EM** was, compared to mineral-based mortars, still in a perfect condition even after over 150,000 load cycles.

Product Usage

DENSOLASTIC®-EM is used for joints on components which are subject to high levels of dynamic and static loading.

A usage example is its use as a joint mortar in manhole construction in heavily loaded roads, particularly with truck traffic.

Due to its elasticity, **DENSOLASTIC®-EM** is noise and vibration dampening.

Typical Product Properties (at +21 °C / +69,8 °F)

Technical data	Unit	Value
Pot life (temperature-dependent)	Minutes	15 (appr.)
Density	g/cm³	1.10 (appr.)
Shore hardness A	-	60 – 80 (appr.)
Load capacity after installation*	hours	1 (appr.)
Volume change during freeze-thaw cycles	%	< 2

*Hardening to the point where it can be loaded is highly temperature-dependent and it can take longer at lower temperatures!

Product Application

Prepare the substrate

Coat the dry and clean substrate with **DENSOLASTIC®-E Primer E** and allow it to dry. The primer is required for example if a liquid-tight connection is required between the elastomer mortar and the contact surfaces. Before applying the support ring, or similar, the spacer must be installed as the mortar cannot bear a load initially. The spacer must be as elastic as the mortar, otherwise it must be removed later. The cavities left in this case must also be closed with the elastomer mortar.



+5°C (+41°F). Pour the complete contents of the component B into the component A container and mix the combined components together thoroughly with an electric stirrer (e.g. drill with mixing blade Collomix WK 70) with at least 500 rpm. The stirring time for the small containers is at least 3 minutes, for the large containers,

at least 4 minutes.

Use a trowel, or similar, to work the elastomer mortar quickly, for the free-flowing material, pour it in place. Before casting, place a separating film made from PE or similar between the mortar and the formwork. The processing device should then either be immediately cleaned with acetone, or mechanically cleaned once the material has hardened.

At room temperature (approx. +23 °C/ +73.4 °F) sufficient hardness will have been achieved after an hour so that the traffic can normally then be released. At lower temperatures, the material takes longer to harden.

Processing the DENSOLASTIC®-EM

The outside temperature and the temperature of the components must be above

Ordering Information and Packaging

DENSOLASTIC®-EM /-EM-G is delivered in separate containers of component A and component B.

The content of the container corresponds to the suitable mixing ratio for components A and B.

The colour is red (with black pigmentation).

Product name	Container size	Article no.	Package units
DENSOLASTIC®-EM	2,44 kg (A+B)	102 02 375	Box (255x220x190) (60 boxes/pallet)
DENSOLASTIC®-EM	7,30 kg (A+B)	102 02 416	Loose pack (42 packs/pallet)
DENSOLASTIC®-EM -G (pourable)	2,57 kg (A+B)	102 02 380	Box (255x220x190) (45 boxes/pallet)
DENSOLASTIC®-EM -G (pourable)	5,1 kg (A+B)	100 77 214	Loose pack
DENSOLASTIC®-E Primer	1,0 Liter	101 19 899	

Storage

Tightly sealed in its original container. Avoid heating above +40 °C (+104 °F) and the effects of frost.

Store containers in a well ventilated space and prevent the material from entering the ground. Under these conditions,

DENSOLASTIC®-EM/-EM-G can be stored for at least 12 months from the date of manufacture.

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