Why SpeedM®?

Bleeding to death is the oldest form of death and even in a time of modern medicine, people die this way every day in emergency rooms, combat zones and on the streets. 40% of trauma-related deaths are because of hemorrhaging in the pre-hospital period.

As soon as the bleeding starts, just a few minutes are crucial to save a life. There are diffuse, unclear bleedings for which other techniques are inappropriate. In these situations, the use of an emergency hemostatic dressing is often the only chance to stop the bleeding.

SpeedM® Emergency Hemostatic Dressing has been developed exactly for this purpose. It is our goal to provide an easy-to-use technology for hemostasis in emergency situations, in order to significantly reduce the number of bleeding victims in the future.

Speed Care Mineral
Life Saving Hemostasis Technology

Order information

Item no.	language	size	pieces/box
CG01G	German	Z-folded, 370 x 7.5cm	15
CG01E	English	Z-folded, 370 x 7.5cm	15

CE
0482

Made in Germany

- Stops bleeding
- Compact, sterile, ready to use
- Mineral based
- Precision printing technology
- Ease of Application – can be cut, teared off, folded and stuffed
- No animal proteins, no human proteins, no shell-fish
- Safe - no mineral remains in the body
- Non-exothermic/ no heat generation

Speed Care Mineral
Life Saving Hemostasis Technology

Speed Care Mineral GmbH
Genzkower Strasse 7 , 17034 Neubrandenburg, Germany
info@speedcaremineral.de, www.speedcaremineral.de

SCM2024014 RevD0 10/2024

SpeedM®

Emergency Hemostatic Dressing

Stop bleeding. Save lives.

Speed Care Mineral
Life Saving Hemostasis Technology

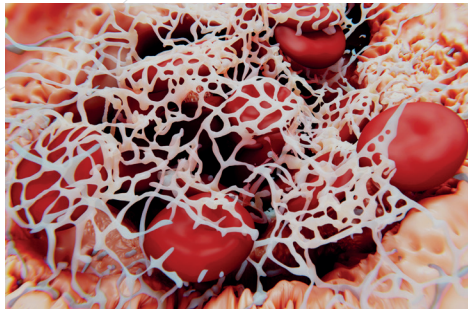
Mode of action

The mechanism of action for SpeedM® is based on purely physical phenomena:

The perforated matrix structure of the gauze is a hydrophilic dehydrated matrix with interconnected pores and channels. This structural property enables the capacity to absorb a large amount of water from the blood, leaving concentrated blood components at the bleeding site that facilitate hemostasis. In addition, the gauze achieves pressure transmission to the wound bed and supports mechanical hemostasis.

Since the outer shell of the HNT-tubes is negatively charged, it facilitates the adhesion and local concentration of platelets in the event of a bleeding. This is due to the electrostatic attraction between the negative outer shell of HNT-tubes and the positive surface of the platelets. It is therefore a purely physical effect.

The tubular structure of Halloysite allows water to be stored inside. In contact with blood, the water is removed and platelets of 1.5-3 µm in size are concentrated outside the tubes. Platelets are responsible for the primary natural hemostasis in case of injury. The local concentration of platelets simplifies and accelerates their adhesion and aggregation. In the final stage, a (white) thrombus develops, which ideally seals the vascular defect. (Pourshahrestani et al. Mater. Sci. Eng. C Mater. Biol. Appl. 2016)



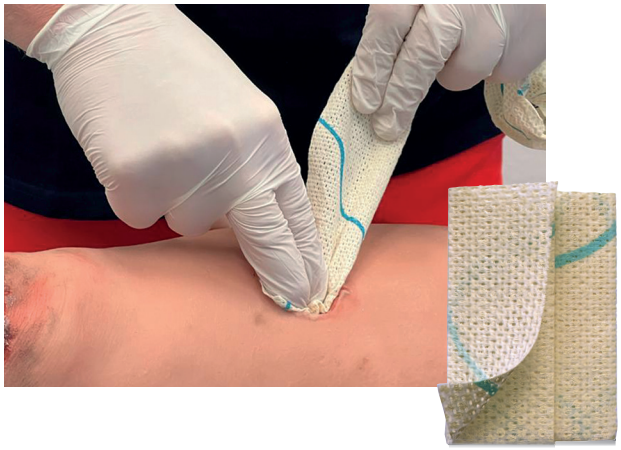
SpeedM®

SpeedM® technology (patented)

- the use of Halloysite Nano Tubes (HNT)
- a special cellulose-based carrier material (nonwoven)
- a precision printing process for applying the HNT to the carrier material

Bleeding Control

SpeedM® consists of perforated nonwoven material applied with ultrafine halloysites. Due to its morphological structure, the halloysite mineral compound has a very large reactive surface area. This supports the body's natural clotting reaction and even heavy bleeding in emergency situations can be stopped quickly and reliably.



The hemostatic gauze is easy to use. In its sturdy packaging, it is easy to transport and store. SpeedM® does not require refrigeration and can be used immediately. Fingerlifting fold supports quick and easy-to-handle wound packing.

How to use
For use by trained first aiders

Identify injury, locate active bleedings. Remove the folded gauze from the packaging. Care for the heaviest bleeding first.

Insert one end of the gauze down to the deepest point of the wound.

Stuff and fill the wound cavity tightly from the bottom until the skin surface is reached.

Apply direct, firm pressure for at least 3 minutes or until bleeding stops.

Check that the bleeding has stopped. Then apply a pressure bandage. Seek medical attention immediately and show the package.

Carefully remove the dressing from the wound.
Irrigate the wound with sterile solution.

For video instructions please scan the QR-Code or visit www.speedcaremineral.de/scm-training-center

For up-to-date and complete instructions, please always refer to the instructions for use enclosed in the packaging.