



# MEGASTRONG®

## TECHNICAL DOCUMENTATION



**MEGA STRONG IS SUPER TOUGH, STAINLESS, ELASTIC AND VERSATILE CONSTRUCTION AND INSTALLATION ADHESIVE, WITH EXTREMELY HIGH INITIAL ADHESION, FOR HEAVY-DUTY, INSTANT AND PERMANENT ADHESION, THAT IS BASED ON HYBRID TECHNOLOGY AND MOISTURE-CURES INTO A DURABLE RUBBER THAT RETAINS ITS ELASTICITY.**

### APPLICATIONS

Particularly suitable for use as a super-strength installation and construction adhesive, for heavy-duty, instant and permanent adhesion or installation, for almost all surfaces and building materials, without using clamps, stamps or mounting tape. Powerful installation and construction adhesive, for instant and heavy-duty adhesive bonds. Structural adhesion in vibrating structures, such as in the construction of façades, transport equipment and other machinery and equipment. Adhere and install mirrors, natural and hard stone, marble, granite, concrete and other critical/porous materials. Installation and construction adhesive for sections, panels, skirting board, mouldings, insulation and panelling materials, slats, beams, stones, tiles and more. Adhere and install metal parts in the construction of roofs, façades, containers, air ducts, trailers, bodywork and ships.

### PROPERTIES

Extremely high initial adhesive strength of at least 400 kg/m<sup>2</sup>, instant, strong and permanent bond. Durable, retains elasticity, maximum movement capacity of 20%. Versatile both indoors and out, super strong, fast and user-friendly. Excellent adhesion without primer on practically all surfaces, even moist ones. Rapidly strengthens, cures and reaches ultimate strength. High ultimate strength and mechanical resistance, for heavy-duty adhesive connections. Superb paintability with synthetic and emulsion paint systems. Thixotropic, no sagging, ideal for overhead applications. Non-corrosive to metals. Compatible in direct contact with the silver coating on mirrors and PVB-laminated glass. Odourless, adhesive-free, bubble-free and non-shrink curing hybrid system. Good resistance to UV, weather, water, moisture and ageing. Free of isocyanate, solvents and silicone. Very low emission: certified EMICODE EC1 PLUS. No staining or bleeding on porous/open/absorbent materials or surfaces, such as natural stone and concrete, and no edge contamination. Absorbs acoustic and mechanical vibrations well. Optimal sandability and grindability once fully cured.

### APPLICATION CONDITIONS

Application temperature (ambient and surface) between +5°C and +40°C. It is recommended to spray MegaStrong with a professional spray gun, using the standard V-seam spout, due to the low viscosity of the material. On stable, compatible, clean, uncontaminated, grease-free and dust-free surfaces. Apply adhesive vertically (ventilated) in beads spaced between a minimum of 10 cm and a maximum of 20 cm apart. Do not apply in dabs! Ideal adhesive thickness: 2 to 3 mm. To achieve correct and even adhesive thickness, it is recommended to use double-sided tape. Use a suitable brush to remove any loose particles

**BELNED SEALANTS**

**ADHESIVE**



from the surface. Degrease the surface properly using cleaner. MegaStrong adheres excellently to many surfaces. We recommend priming highly porous/absorbent/open surfaces with primer first.

## PAINTABILITY

After skin formation, MegaStrong is excellently paintable with emulsion paints. However, synthetic paint systems may dry slowly. If it will be painted (not necessary), for best results, we recommend lightly sanding the MegaStrong and adjacent parts, then thorough degreasing with cleaner and painting immediately after this.

## CLEANING

Remove fresh/uncured material from surfaces and tools using cleaner. Clean hands/skin with ultra-wipes. Cured material must be removed mechanically.

## LIMITATIONS & RECOMMENDATIONS

Not suitable for continuous water loads or joint sealing. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastic, neoprene or bituminous surfaces. Never apply the adhesive in dabs. Ideal adhesive thickness is 2 to 3mm. We recommend testing the adhesion and material compatibility and, if applicable, the paint compatibility in advance.

## HEALTH & SAFETY

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. The product safety data sheet is available on request.

## WARRANTY & LIABILITY

Belned BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.

## SHELF LIFE

In unopened original packaging, stored in a cool dry place between +5°C and +25°C, the product will last up to 18 months after the production date.

## CERTIFICATIONS

EMICODE ECI PLUS  
ISEGA FOOD APPROVAL



## TECHNICAL DOCUMENTATION MEGA**STRONG**®

### Technical product data

Base			HYBRIDE
Viscosity	mm	ISO 7390	<2
Density	g/ml		1,58
Skin formation time	min.	23°C/55%RV	10
Cures in 24 hours	mm	23°C/55%RV	3
Contraction			None
Permissible deformation	%		25
Temperature resistance once fully cured	°C		-40 / +100
Mechanical values		2mm film	
Shore A hardness		DIN 53505	65
Modulus at 100%	MPa	DIN 53504	1,65
Tensile strength	MPa	DIN 53504	2,90
Shear strength	MPa	ISO 4587	2,70
Stretch at breaking point	%	DIN 53504	250
<b>Product range</b>	<b>20 x 290 ml cartridge</b>	<b>12 x 600 ml foil pack</b>	
White	BN065525	BN065528	
Black	BN065527	BN065529	