

PRODUCT INFORMATION

Asplit 876 PRIMER

PRODUCT DESCRIPTION

Asplit 876 PRIMER is a colourless, two-component primer and laminating resin based on an epoxy resin.

FIELDS OF APPLICATION

Asplit 876 PRIMER serves as a primer for Asplit mortars based on phenol and furan resins. An acidification is not necessary. On concrete surfaces **Asplit 876 PRIMER** has the additional function of a sealing. The chemical resistance of **Asplit 876 PRIMER** is generally similar to **Asplit ET**, but it has a better resistance against organic acids and solvents.

FEATURES

- Direct adhering primer on steel and concrete surfaces
- Excellent chemical resistance
- High temperature resistance up to +160°C (dry)

CHEMICAL RESISTANCE

Information on the chemical resistance properties is available upon request.

SUBSTRATE

Components to be brick lined or laminated shall be designed and manufactured in accordance with EN 14879-1. Before start of coating work or brick lining work, the suitability of the surface preparation measures according EN 14879-1 must be checked and recorded.

SURFACE PRE-TREATMENT

C-STEEL

Surfaces to be coated must be clean, dry and free of contaminants. All contaminants, including non-visible detectable contaminants, must be removed in accordance with DIN TR 55684 and EN ISO 8502.

Non-alloyed steel surfaces shall be abrasive blasted to "Near White Metal" in accordance with EN ISO 12944-4. A surface preparation degree of SA 2½ (SSPC-SP 10; NACE No. 2) as specified in EN ISO 8501-1 and a "medium (G)" roughness degree as specified in EN ISO 8503-2 must be achieved. A minimum surface profile of $R_z \geq 70 \mu\text{m}$ is required.

To prevent flash rust, the primer must be applied immediately after the blasting and cleaning of the substrate or the component must be air conditioned to a relative humidity of $\leq 40\%$.

CONCRETE

Appropriate action shall be taken to prepare the concrete surfaces; dry and free of dust and free of contaminants such as oil or grease. The concrete shall have minimum tensile strength of 1.5 N/mm². The residual moisture content must not exceed 4%.

ENVIRONMENTAL CONDITIONS

The specified environmental conditions must be observed during surface preparation and brick lining / coating and be tested and recorded according EN 14879.

Environmental Conditions	Value
Relative Humidity	$\leq 80\%$
Surface Temperature	$\geq +10^\circ\text{C}$ up to $+30^\circ\text{C}$
Application Temperature	$+20^\circ\text{C} \pm 5^\circ\text{C}$ recommended
Dew Point Distance	min. 3K

APPLICATION

The execution of the coating and brick lining work is only permitted, if the requirements of „Surface Pre-treatment“ and „Environmental Conditions“ are met.

Asplit 876 PRIMER is applied twice (undiluted) by using brushes, wide brushes or rollers. If the overworking time is > 24 hours, the last coat must be sanded in fresh state with dry quartz sand (0.3 – 0.7 mm) – if no sanding is carried out – it must be grinded.

WORK TOOLS

The following tools are essential for the application:

- Stirrer (max. 300 r/min.)
- Measuring cup & Mixing vessels
- Flat / wide brush
- Lambs wool roller
- Miscellaneous (safety glasses, rubber gloves etc.)

MIXING RATIO

Asplit 876 PRIMER must be well stirred before adding the **Asplit 876 HARDENER** in the recommended ratio. The stirring of the merged components should be at least 3 minutes and must result in a homogeneous mixture. Then pour the mixture into a clean pail and mix again briefly.

Asplit 876 PRIMER	Parts by Weight [kg]	Parts by Volume [Liter]
Asplit 876 SOLUTION	100	2.00
Asplit 876 HARDENER	40	0.81

CONSUMPTION

Substrate	Coverage [g/m ²]
Steel	ca. 250
Concrete	ca. 300 - 350

POT LIFE (20°C)

Product	Time [min]
Asplit 876 PRIMER	ca. 60

CURING (20°C)

Load Capacity	Time
Over workable	ca. 18 h
Accessible	ca. 18 h

CLEANING

Clean all equipment with **SOLVENT T-200** or **Asplit CLEANER N** immediately after use. The cleaning is done while the material is still not hardened.

SAFETY MEASURES

The material safety data sheets of the individual components, the safety instructions on the packing (label) as well as the legal requirements for handling hazardous materials must be observed.

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PACKING UNITS

The products are supplied in the following standard package sizes:

Product	Size	Article No.
Asplit 876 HARDENER	8 kg	592 0615
Asplit 876 SOLUTION	20 kg	592 0605
Asplit CLEANER N	25 kg	592 0920
Asplit CLEANER N DEFOAMER	0.25 kg	592 0921
SOLVENT T-200	4 kg	590 0610
SOLVENT T-200	8 kg	590 0611

STORAGE

The products must be stored in a cool and dry place, away from direct sunlight. At the specified storage temperatures a shelf life of the products is given of at least for the following periods:

Product	Temperature	Shelf Life
Asplit 876 HARDENER	≤ +25°C	24 Months
Asplit 876 SOLUTION	≤ +25°C	24 Months
Asplit CLEANER N	-	24 Months
Asplit CLEANER N DEFOAMER	≤ +20°C	24 Months
SOLVENT T-200	5 - 25°C	60 Months

If the storage time is exceeded, the materials must be tested before use. Higher storage and transport temperatures will reduce the shelf life. The containers must be kept tightly closed. Liquid products must be stored frost-proof. In addition, the DIN 7716 must be observed.

Technical Data	Standard	Unit	Value
Density (Mixture)	EN ISO 2811 (ASTM D1475)	g/cm ³	1.14
Adhesion Strength Concrete	EN ISO 4624 (ASTM D7234)	N/mm ²	> 1.5
Adhesion Strength Steel	EN ISO 4624 (ASTM D4541)	N/mm ²	> 7
Hardness Shore D	-	-	> 70
Max. Operating Temperature	-	°C	+160

Note: The indicated temperatures are dependent on the present load and may vary

Information given in the fact sheet above corresponds to the current knowledge available to us regarding our products at the time of its drafting and is intended as a guideline for informational purposes. However, because of the multiple possibilities regarding possible applications, processing and on site conditions, any information given in the fact sheet above is not legally binding, in particular, without being limited to, such information shall not be interpreted as a warranty of merchantability or of fitness for a particular purpose. Customer therefore is advised to conduct its own testing or make an inquiry with our technical department before ordering. We reserve the right to change the product at any time, in particular, without being limited to, minor changes because of advancements in technology. If by way of exception, the information given in the fact sheet above is incorporated by reference into any contract concluded with us under German Law, such information, shall only be interpreted as determining the specific requirements of the contractual products as set out in § 434 BGB (German Civil Code) and shall not be interpreted as constituting a guarantee of condition.

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