

PRODUCT INFORMATION

Asplit® VP 788

PRODUCT DESCRIPTION

Asplit VP 788 is a black, two-component, cold curing synthetic resin mortar, based on a modified furan resin with carbon fillers.

FIELDS OF APPLICATION

Asplit VP 788 is suitable for bedding and jointing of tiles, bricks and fittings made of ceramic or carbon for the production of chemical, thermal and mechanic resistant coatings and protective linings.

FEATURES

- The hardened mortar conducts electricity
- High chemical resistance against acids, alkalis and certain solvents
- High temperature resistance up to +180°C (dry)
- Lower shrinkage than other furan resins
- Low odour
- Long shelf life even at temperatures up to +30°C, therefore also suitable in tropic regions

CHEMICAL DESCRIPTION

Information on the chemical request is available on request.

SUBSTRATE

Components shall be designed and manufactured in accordance with EN 14879-1. Before **Asplit VP 788** is applied, the suitability of the surface preparation measures according to EN 14879-1 must be checked and recorded.

SURFACE PRE-TREATMENT

Steel and concrete surfaces must be primed with **Asplit 876 Primer** before application. The primer must be sanded in a fresh state after the final coat.

If a sealing layer of rubber or coating is present, **Asplit VP 788** can be directly applied on the sealing layer. Unevenness should be compensated in the ground.

C-Steel

All contaminants, including non-visible detectable contaminants, must be removed in accordance with DIN Fachbericht # 28 and EN ISO 8502.

Ferretic steel surfaces shall be abrasive blasted to "Near White Metal". A standard preparation degree of SA 2½ according to EN ISO 12944-4 must be achieved. To prevent flash rust, the primer must be applied immediately after the blasting and cleaning of the substrate.

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 peel strength of 1.5 MPa. The residual moisture content must not exceed 4%.

A mechanical treatment by blasting with solid abrasives, high pressure water blasting or shot blasting is recommended. After milling, flame blasting or prying a blasting is also required.

PROCESSING

Environmental Conditions

Environmental Conditions	Value
Relative Humidity	max. 80%
Surface Temperature	min. +10°C / max. +30°C
Application Temperature	+20 ± 5°C is recommended
Dew Point Distance	≥ 3K

Equipment

The following list of equipment is essential for the application of **Asplit VP 788**:

- Stirrer (max. 300 r/min.)
- Measuring cup
- Mixing vessels
- Brushes
- Mortar trowel
- Grouting tool
- PSA (safety glasses, rubber gloves etc.)

Mixing

Fill **Asplit VP 788 Solution** in a mixing vessel and add **Asplit VP 788 Powder** at the specified mixing ratio. The stirring of the merged components should be at least 3 minutes and must result in a homogeneous mixture.

Mixing Ratio

Primer	Kg	Parts per weight	Parts per volume
Asplit 876 Solution	0.815 kg	100	0.87 L
Asplit 876 Hardener	0.325 kg	40	0.36 L
1.140 kg = 1 Liter			
Asplit VP 788	Kg	Parts per weight	Parts per volume
Asplit VP 788 Solution	0.60 kg	100	1.00 L
Asplit VP 788 Powder	1.00 kg	167	3.03 L
1.60 kg = 1 Liter			

Application

Asplit VP 788 is applied on the mortar or sealing layer by using a mortar trowel. Tiles and bricks must be free of voids, fully bedded and hollow jointed. If tiles have to be laid in alkaline mortar with open joints, make sure that the mortar is hardened, acidified and dried before applying **Asplit VP 788**.

The joints have to be square with a depth of min. 15 mm and a width of 5-8 mm. The edges of the tiles have to be free from mortar and the joints must be cleaned.

Consumption

Bedding and Jointing (Bed Joint 5mm / Cross Joint 5-7mm):

Material	Sizes	Consumption
Platten	240 x 115 x 20 mm	ca. 12 kg/m ²
Platten	240 x 115 x 40 mm	ca. 15 kg/m ²
Steine	240 x 115 x 65 mm	ca. 18 kg/m ²
Steine	240 x 115 x 80 mm	ca. 20 kg/m ²

Pot Life

Temperature	Asplit VP 788
20°C	approx. 60 min.

Curing

Load Capacity	Time
Accessible	approx. 24 hours (at 20°C)
Chemical Load	approx. 48 hours (at 20°C)

Cleaning

Clean all equipment immediately after use with **Asplit Universal Cleaner**. The cleaning is carried out as long as the material is not cured.

Commissioning

Brick linings with **Asplit VP 788** should be taken in operation at earliest 1 week after completion.

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.

Technical Data	Standard	Unit	Value
Resistance to Ground	DIN 28052-6	Ω	≤ 1 x 10 ⁸
Bending Strength	DIN EN ISO 178	N/mm ²	16
Density finished mixture	DIN EN ISO 2811-1	g/cm ³	1.6
Compressive Strength	DIN EN ISO 604	N/mm ²	52
Max. Operating Temperature Dry	-	°C	+230 Short time: +300
Tensile Strength	DIN EN ISO 527	N/mm ²	5

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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PACKING UNITS

The products are supplied in the following standard package sizes:

Product	Size	Product-No.
Asplit 876 Solution	25 kg	592 0605
Asplit 876 Hardener	10 kg	592 0615
Asplit VP 788 Solution	20 kg	592 0080
Asplit VP 788 Solution	50 kg	592 0081
Asplit VP 788 Powder	25 kg	592 0070
Asplit Universal Cleaner	8.4 kg	592 0900

STORAGE

The materials must be stored at a cool and dry place, protected 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 Solution	≤ +20°C	24 month
Asplit 876 Hardener	≤ +20°C	24 month
Asplit VP 788 Solution	≤ +30°C	24 month
Asplit VP 788 Powder	-	24 month

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.