



Muraplast Paver Plus

(Formerly Known as Centriplast Paver Plus)

Multipurpose Additive for Excellent Workability and Early Strength, in wet-cast concrete for Paver Blocks, Concrete Pipes and other Concrete Goods

Product Properties

- Makes the mix pumpable & flowable
- High early & final strength
- Excellent compatibility with all cements
- Highest possible dispersion of cement particles
- Maximum exposure of cement particles
- Makes mixing of fibers easy
- Improvement in rheological properties

Areas of Application

- As a super plasticizer for Pre-cast Industries
- For production of high Strength Concrete
- For highly aesthetic fair faced concretes
- Special version includes use in wet-cast concrete blocks manufacture
- Pipes, manholes, precast poles, etc.
- Manufacturing of Railway Sleepers, etc.

Application Notes

General Information

Muraplast Paver Plus is a super plasticizer formulated and based on Sulphonated Melamine Formaldehyde (SMF) Polymers and strength enhancers to provide high workability. **Muraplast Paver Plus** produces high early and final strength coupled with improved workability and is therefore particularly suitable for wet-cast concrete goods, such as pavers, pipes, manhole covers, poles, roof tiles, etc. **Muraplast Paver Plus** does not affect setting time nor increases air entrainment in concrete.

Advantages

Muraplast Paver Plus produces highly plasticized concrete. It is therefore possible to reduce the water/cement ratio and thus increase the strength and consistency of the concrete. In addition, its special early strength additives, enable faster demoulding, better finished surfaces and excellent strength gain.

Muraplast Paver Plus has no adverse side effects and produces high early strength concrete. Shuttering can be removed earlier and less compaction is required. **Muraplast Paver Plus** is particularly suitable for the pre-cast concrete goods industry.

Instructions for Use

Muraplast Paver Plus is to be added to the concrete during mixing & should preferably be dosed along with mixing water or additional water.

Adding **Muraplast Paver Plus** to the dry aggregate/cement mix is not recommended. It is most effective when dosed after about 70% of the mixing water has been added to concrete. The mixing time after addition of the admixture should be long enough to allow the admixture to unfold its plasticizing effect completely.

If dosage on the job-site into transit mixer trucks is necessary, please follow corresponding engineering and safety rules.

Dosage

The dosage of **Muraplast Paver Plus** depends on the flow effect and workability required. **Muraplast Paver Plus** is generally added between 0.8-1.6% by wt. of cement for flow concrete depending on the workability and strength gain requirement for individual job site. Recommended dosage for high early strength is 1.5-3.0% by wt. of cement. However it is recommended that site trials be taken to determine optimum dosage. In certain cases due to variations of cement, sand aggregates, weather or site conditions dosages may vary from recommendations.

Muraplast Paver Plus can be used in combination with other MC Admixtures.

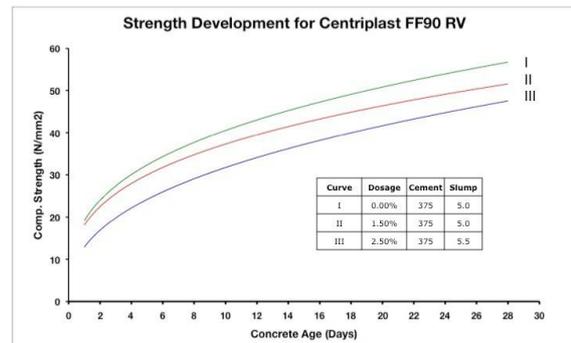
Effect of **Muraplast Paver Plus** for various applications such as strength increase and cement reduction in the mix is given in the Further Instructions / Precautions Section of this Technical Datasheet.



Further Instructions / Precautions

- To determine individual technical suitability, preliminary tests should be carried out under application conditions. We shall be glad to assist you for your concrete technology testing/needs.
- Relevant standards for production, placing and curing of concrete should be followed.
- Efficient curing is essential for any concrete and is best achieved using **Emcoril** range of curing compounds. This will avoid negative effects of quick water loss from the concrete.
- Depending upon the concrete mix severe over dosage of the admixture may result in bleeding/segregation of concrete quick loss of workability, extended or retarded setting times etc.
- Slight overdosing may not severely affect the ultimate strength of concrete provided the concrete is properly mixed, handled and placed and adequately compacted and cured.

Graph Showing Strength increase for Concretes using Muraplast Paver Plus



Technical Data For Muraplast Paver Plus

Characteristic	Unit	Value	Comments
Mixing Ratio	% by weight of Cement	0.5% to 1.0%	FOR FLOW CONCRETE
Mixing Ratio	% by weight of Cement	1.5% to 3.0%	FOR HIGH EARLY STRENGTH CONCRETE

Product Characteristics for Muraplast Paver Plus

Type of Product	Multipurpose Additive for wet-cast concrete goods like paver blocks, pipes, etc.
Form	Liquid
Colour	Transparent Yellowish to Brown
Shelf Life	12 Months from date of Manufacture
Delivery	250 kg drums and 30 kg cans
Storage	In Unopened Packaging. Protect from Rain, Direct Sunlight, Heat and Frost
Disposal	Empty packs completely and dispose off carefully to protect our Environment

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees, which may differ from the data contained in our information sheets, are only binding if given in written form. The accepted engineering rules must be observed at all times. E. & O.E.

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