

# SHOTCRETE



## DESCRIPTION

The shotcrete is made of cement, high quality aggregates and last generation additives. These components guarantee a good performance fulfilling the requirements of the client. This type of mix is designed for special applications of concrete projected with an exclusive equipment whether using wet or dry material feed.

## TECHNICAL SPECIFICATIONS

- Maximum size of the aggregate: 12.5 mm.
- Nominal maximum size of the aggregate: 9.5 mm.
- Compressive strength: 210 kg/cm<sup>2</sup> - 450 kg/cm<sup>2</sup>.
- Pozzolana hydraulic cement (MPa type)

## USES

The Shotcrete has been designed to be used in different activities such as: geotechnical solutions in the reinforcement of slopes, well lining reinforcements or building foundations, lining of bore holes for road or hydraulic tunnels, protection of slopes avoiding the erosion caused by the rivers, among others.

## PLACEMENT

- Wet-mix projection
- Dry-mix projection

## ADVANTAGES

- Eco-friendly concrete.
- Specialized advising in the concrete technology.
- Strict quality control.
- High quality materials.
- Automatic dosing system.
- Easy placement in complicated areas.
- Greater efficiency during the projection progress.
- Formwork placement is avoided.

## PROPERTIES:

Mix concrete component materials comply with all the corresponding regulations.

- MP/A cement complies with the 479:2015 Technical Regulations of Hydraulic Cement (RTCR, acronym in Spanish).
- River aggregates comply with the ASTM C33 International Regulation.
- Plasticizers and retarding admixtures satisfy the ASTM C94 International Regulations.
- Clean water complies with the requirements of the ASTM C94 International

## QUALITY CONTROL

The development and research laboratory of AMCO has technicians certified by the ACI (American Concrete Institute). Therefore, different tests are executed correctly guaranteeing reliable results.

Daily, random samples are taken from the different types of concrete and cylindrical compression and beam flexural tests are conducted for internal control. Monitoring and quality control of the concrete is maintained to provide the customer with the desired product.

## SUGGESTIONS

AMCO guarantees the delivery of 25 mm concrete in ideal conditions. It reaches compressive strength at 28 days old. Do not alter the product with water or any other substance.

The maximum concrete unloading time is one hour since it arrives at the place. For this reason, the client should plan the correct logistic to meet this requirement.



Awarded by the Bandera Azul Ecológica program  
for our efforts in environmental impact reduction.

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