

## HOJA DE DATOS DEL PRODUCTO

# Sika® ViscoCrete®-3233 PR

Ultra high-range superplasticizer admixture with accelerated strength development.

### DESCRIPCION DEL PRODUCTO

Sika® ViscoCrete®-3233 PR is a high-performance liquid superplasticizer and water-reducing admixture, formulated with advanced polycarboxylate technology.

It is specifically designed for precast concrete production, providing high water reduction, excellent workability, and rapid development of early-age mechanical strength without compromising ultimate strength.

The product is formulated to minimize concrete segregation, enhancing the stability and cohesion of the mixture, and improving its performance during transport, placement, and finishing.

### USOS

- Sika® ViscoCrete®-3233 PR is recommended for:
- Production of precast concrete with high early strength requirements.
  - Elements requiring short demolding times and rapid mold turnover.
  - Self-consolidating concrete (SCC) with high stability and cohesion.
  - Concrete with low cement content or complex aggregate gradations.
  - Pumpable concrete mixtures with improved shape retention and reduced segregation.
  - Manufacturing of industrialized elements and prefabricated construction systems.
  - High-durability concrete with low water/cement ratios.
  - Concrete mixtures where improved cohesion is required, reducing segregation, bleeding, and water migration.
  - Production of fluid and stable mixtures for pump-

ping applications where surface finish is critical.

### CARACTERISTICAS / VENTAJAS

- High water reduction (5% to >40%, depending on dosage).
- High plasticizing effect, providing excellent flowability.
- Rapid development of early-age strength (especially optimized for precast applications).
- Increased ultimate strength.
- Improved concrete cohesion, reducing segregation.
- Controls bleeding and water migration.
- Enhanced stability in highly fluid mixtures.
- Improved pumpability and surface finish.
- Allows for more robust mixtures under variations in materials.

### CERTIFICADOS / NORMAS

Meets the requirements of ASTM C494/C494M as a **Type A** water-reducing admixture, **Type F** high-range water-reducing admixture, and **Type E** accelerating admixture (based on functional performance). The product does not promote corrosion of reinforcing steel and is chloride-free.

## INFORMACION DEL PRODUCTO

<b>Empaques</b>	▪ IBC 1040 L (275 gal)
<b>Apariencia / Color</b>	Dark to light brown liquid
<b>Vida en el recipiente</b>	12 months from date of manufacture when stored in original sealed containers.
<b>Condiciones de Almacenamiento</b>	Store between +5 °C and +35 °C in its original container, protected from direct sunlight.
<b>Densidad</b>	1.05 g/cm <sup>3</sup> (≈ 8.76 lb/gal)
<b>Dosificación Recomendada</b>	8 – 12 fl oz/cwt (equivalent to approximately 0.55% – 0.82% by weight of cement). The dosage should be adjusted depending on materials used, environmental conditions, and concrete performance requirements. Dosages outside this range must be validated through prior testing.

## NOTAS

Los usuarios deben referirse siempre a la versión local más reciente de la Hoja Técnica del Producto cuya copia será suministrada al ser solicitada.

## USOS

Preliminary testing with project materials is recommended. The mix design should be adjusted to ensure appropriate aggregate gradation and sufficient fines content.

## ECOLOGIA, SALUD Y SEGURIDAD

Refer to the Safety Data Sheet (SDS) for complete information on handling, storage, and disposal of the product.

## INSTRUCCIONES DE APLICACION

Sika® ViscoCrete®-3233 PR may be dosed with the initial mixing water or as a delayed addition to maximize the plasticizing effect; it is recommended to add the product after all components have been mixed to achieve optimum performance and to mix at high speed to ensure uniform dispersion.

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