

HOJA TÉCNICA DE PRODUCTO

Sikament® RB 1120

(anteriormente MasterRheobuild® 1120)

High-range slump retaining superplasticizer/water reducer admixtures.

DESCRIPCION DEL PRODUCTO

Sikament® RB 1120, is a high range slump retaining water reducing superplasticizing admixtures. Meets ASTM C494 requirements for Type A, water-reducing admixtures and Type F, high-range water-reducing admixtures.

USOS

- Concretes where high initial plasticity, excellent surface appearance, accelerated resistance and rapid application are required.
- Concretes where normal setting times are required.
- Concretes with high fluidity and great durability.
- Concretes where high mechanical resistance and superior finishes are required.
- Concrete where it is required to stabilize its air content.
- In the production of concrete mixtures that require increasing slump retention.

CARACTERISTICAS / VENTAJAS

The economic benefits are short and long term, and apply to the entire production team. The use of rheo-plastic concrete saves time on site and costs through greater productivity. The high strengths achieved with the Sikament® RB 1120 enable accelerated production methods, including rapid form productivity, thus meeting deadlines.

In plastic concrete:

- Excellent workability-Plasticity range from 200 to 280 mm.
- Cohesive and without segregation.
- Fast application (1/2 or 1-1/2 faster than conventional superplasticizers with the same dosage range, slump and same mix design).

In hardened concrete:

- Higher initial strengths are produced than with other conventional superplasticizer additives.
- Better appearance and finish of the concrete surface.
- Low permeability. • High durability.
- Increase in the last resistances to compression.

INFORMACION DEL PRODUCTO

Empaques	Sikament® RB 1120, Supplied in IBC.
Vida en el recipiente	12 months
Condiciones de Almacenamiento	Stored above freezing temperatures. If Sikament® RB 1120 freezes, thaw at 45 °F (7 °C) or above and completely reconstitute by mild mechanical agitation. Do not use pressurized air for agitation.
Compatibilidad	Cement: For optimum performance, always use fresh cement since the reactivity of cement is reduced with ageing. Aggregates: Use of properly graded, good quality, coarse aggregates and sand helps to achieve higher impermeability and strength.
Dosificación Recomendada	The recommended dosage of Sikament® RB 1120, admixture is 500 to

1200 ml/100 kg of cementitious material (0.5% - 1.2% of the weight of the cementitious material), for most concrete mixtures.

Dosages outside the recommended range may be used due to variations in concrete materials, field conditions or applications, in these cases it is recommended to contact your local Master Builders Solutions representative.

NOTAS

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGIA, SALUD Y SEGURIDAD

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

METODO DE APLICACIÓN / HERRAMIENTAS

Sikament® RB 1120, is recommended for all concrete applications where great fluidity, high strength and increased durability are required. **Sikament® RB 1120**, is particularly recommended for use in the production of precast and prestressed concrete elements, such as T-beams, slabs and architectural panels where high early strengths and improved surface appearance are of importance.

Directions for use: **Sikament® RB 1120**, should be added to the mixer along with water. The plasticizing effect or water reduction is greater if the additive is added to wet concrete, after having added 90-95% of the design water.

It is not recommended to add **Sikament® RB 1120** to dry aggregates.

Note: For further explanation of the use of **Sikament® RB 1120** in specific applications contact your local representative.

NOTAS LEGALES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Durán:

Km. 3.5 vía Durán-Tambo.
PBX (593) 4 2812700

Quito:

Av. Naciones Unidas entre Iñaquito
y Núñez de Vela.
Piso 11. Oficinas: 1111 - 1112
Tel: (593) 2 4506455

Cuenca:

Av. Ordóñez Lasso y Los Claveles.
Edificio Palermo
Tel: (593) 7 4089725