

Kemflow Super PCE 2020

High Range Superplasticizer For High Quality Concrete

Description	<p>Kemflow Super PCE 2020 is a high range quality ready-mix and precast concrete with significantly reduced water demands and good workability retention properties. The superplasticizer is based on the latest PCE technology so it is suitable for Self-Compacting concrete, semi-SCC, and concrete of compressive strength C50 or higher</p> <p>Standards: Complies with ASTM C494 type F&G And BS EN 934-2</p>
Where to use	<p>Kemflow Super PCE 2020 is used for:</p> <ul style="list-style-type: none"> • A wide range of applications where excellent workability is requested • Concrete with high water reduction • Highly efficient concrete applications • Variable use in different concrete systems with different raw materials • Self-compacting concrete
Advantages	<ul style="list-style-type: none"> • Strong water reduction up to 30%, resulting in high density, high strength, and reduced permeability • Less strength against variations in aggregates and/or different cement types • High efficiency even at low dosage rates • Extended workability in conjunction with subsequent strength development • Superior plasticizing effect, resulting in improved flow, placing, and compaction characteristics • Reduced shrinkage during curing and reduced creep when hardened • Provides many opportunities for cost improvement • Strong self-compacting behavior of concrete • It is compatible with designs containing OPC or SRC cement, micro-silica, fly ash, and blast furnace slag
Properties	
Chloride content	Nil
Color	Amber
Specific gravity	1.07±0.03 at 20°C
Alkali content	Nil
PH value	3.0±1
Dispensing	<ul style="list-style-type: none"> • Kemflow Super PCE 2020 is added to the gauging water or added with it into the concrete mixer • To take advantage of the high-water reduction, a wet mixing time, which depends on the mixing conditions and mixer performance, of at least 60 seconds is recommended • To avoid excess water in the concrete, the final dosage must begin only after 2/3 of the wet mixing time
Application Instruction	<p>The standard rules of good concreting practice, concreting production, and placing, are to be followed.</p> <ul style="list-style-type: none"> • Laboratory trials shall be carried out before concreting on site, especially when using a new mix design or producing new concrete components • Fresh concrete must be cured properly and curing applied as early as possible • Do not mix it with any Naphthalene-based admixtures • Kemflow Super PCE 2020 improves the cement dispersion within the concrete significantly • This property allows the formation of a homogenous and low viscosity cement paste which provides flowable concrete with high reduced water contents

	<ul style="list-style-type: none"> • The special built of Kemflow Super PCE 2020 extends the processing time purposefully and meets the special requirements challenging the ready-mix concrete industry • A significant overdosing of Kemflow Super PCE 2020 may lead to an increased workability and an elongated set retardation of concrete • Using an appropriate curing for concrete the final strength development will not be impaired
Cleaning	<ul style="list-style-type: none"> • Clean all tools and application equipment with water immediately after use • Hardened/cured material can only be removed mechanically
Theoretical Dosage Rate	0.2 – 3% by weight of cement
Packaging	Available in 25 kg pails or 220 kg drums and tanks 1000 kg
Shelf life & Storage	Up to one year when stored in original unopened packaging out of direct sunlight and kept under cover protected from extremes temperature
Health and Safety	<ul style="list-style-type: none"> • Kemflow Super PCE 2020 is non-toxic • Use gloves to avoid contact with skin • If skin comes in contact, wash immediately with soap and water • Do not use solvents • Eye contamination must be immediately washed with water, then seek medical treatment
Additional Information	<p>PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure</p> <p>PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range. For our customer's satisfaction</p> <p>PROKEM reserves the right to change the properties of its products</p> <p>All orders are accepted subject to our current term of sale & delivery</p> <p>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</p> <p>PROKEM extends technical services to include after sales support to assist users in a proper handling of our products</p> <p>Environmental Considerations:</p> <ul style="list-style-type: none"> • Kemflow Super PCE 2020 Admixture is environmentally safe and contains no volatile organic compounds (VOCs) • Kemflow Super PCE 2020 Admixture contains an anti-microbial biocide to inhibit mold and bacteria growth