

# **REAL POWER FLOW 3G** **RPF 3G**

**REAL POWER FLOW 3G**, a high-range water-reducing and strength-accelerating admixture for concrete that complies with ASTM C494 Type A and Type F, AS 1478 and BS 5075 specifications.

## **General Description**

**REAL POWER FLOW 3G** is a new generation high-range water-reducing agent superplasticizer for concrete. Due to the excellent high flowing concrete and water reduction ratio, its' usage provides high early and ultimate concrete strength and highly durable concrete to comply with modern construction engineering request.

**REAL POWER FLOW 3G** is formulated from polycarboxylate acid that gives a substantially longer working life than melamine-based and sulphonated naphthalene superplasticizer. **REAL POWER FLOW 3G** does not contain calcium chloride.

Do not use other superplasticizer or water-reducing agent in the mix with **REAL POWER FLOW 3G**. It is compatible with selected Real Point's water-reducing agent and set retarding admixture.

## **Recommended For**

- Pumped concrete
- Slender structures
- Self-compacting concrete
- Precast and pre-stressed concrete
- Structures with congested reinforcements
- Early removal of formwork for faster turnover

## **Advantages / Benefits**

- High workability without segregation
- Improves cohesion and reduces bleeding
- Improves pumpability
- Reduces permeability, high durability concrete
- Normal set without retardation
- Improves slump retention
- Reduces building noise
- High early and ultimate strengths
- Less vibration required
- Excellent workability due to lower slump loss than the current high-range water reducers
- Various product applications from ordinary to high-strength concrete due to its' high-water reducing rate and excellent strength



## Recommended Dosage

**REAL POWER FLOW 3G** is recommended at a typical dosage rate of 300ml - 1,200ml per 100kg of cement. The dosage rate can be modified to fit variations in cement, aggregate or job conditions or where special performance characteristics are required.

REAL POINT SDN BHD recommends that special mix designs with dosage rates outside recommended rate or with cement reductions be developed in consultation with our representative to achieve specified requirements.

At the recommended dosage rate of **REAL POWER FLOW 3G** does not affect the setting time of the concrete but at a higher dosage slight retardation and higher air content may occur.

## Effects Of Overdosing

An overdose of double the recommended rate of **REAL POWER FLOW 3G** will result in significant retardation. When overdosing occurs, it is important to maintain adequate curing so that the ultimate strength of the concrete will not be adversely affected but will increase ultimately.

## Packaging

**REAL POWER FLOW 3G** is supplied in bulk by tanker or sealed 205 litres drum.

## Storage/Shelf Life

**REAL POWER FLOW 3G** can be stored for 6 months in tank and 1 year in tightly sealed original drum.

## Dispensing

REAL POINT SDN BHD will supply and install a complete line of electrically-operated automatic dispensing equipment. Our technical department can assist with recommendations on suitable dispensing equipment and installation to meet a unique job site conditions.

## Health and Safety Precaution

**Inhalation:** In case of discomfort, move to a ventilated area. **Skin Contact:** Flush skin thoroughly with water.

**Eye Contact:** Flush eyes with water and carefully rinse under eyelids. If irritation persists, consult a physician. **Ingestion:** Immediately rinse mouth with water. Do not induce vomiting. If conditions worsen, consult a physician immediately.



### STATEMENT OF RESPONSIBILITY

The technical information and application advice given above are based on the present state of our best scientific and practical knowledge. As the information above is of a general nature, no assumption can be made as to the suitability of the product for a particular application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by law. The user is responsible for checking the suitability of the product for their intended use.

Field service where provided, does not constitute supervisory responsibility. The owner, engineer or contractor may reject or modify any suggestions made by REAL POINT SDN BHD either orally or in writing since ultimately it is their responsibility and not REAL POINT SDN BHD for carrying out procedures appropriate to a specific application.

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