

## SUMMERPAV

### A new generation superplasticizer for concrete floors

#### DESCRIPTION AND WHERE TO USE

SUMMER PAV is a new generation superplasticizer admixture developed specifically for laying concrete floors. The action mechanism of SUMMER PAV is based on the combination of a number of effects such as its strong electrostatic and steric dispersion power and its early hydration reaction during the initial stage.

SUMMER PAV is chloride free, meets UNI 8145, EN 934-2 and ASTM C494 requirements (for types A and E) standards, and it is compatible with all cements covered by EN 196-1 standards regarding reinforced concrete.

#### BENEFITS

SUMMER PAV is the answer to the market needs of concrete used in flooring because it combines the requirements of the supplier of ready-mix concrete and those of the contractor. Its special active process enables SUMMER PAV to produce concrete products featuring the following technical and economic advantages.

#### FOR THE READY-MIX CONCRETE PRODUCER

- It permits a significant lowering of the water/cement ratio to improve the quality and durability of the concrete.
- A long workability retention and fluid consistency for the entire transportation and placing process period.
- It fastens the initial hydration of the cement, thus providing higher strength at an early age.
- High workabilities (slump 210-240 mm) without the risk of segregation.
- A low rate of bleeding.
- Permits a dramatic improvement in the initial and long term mechanical performance of the concrete.

#### FOR THE CONTRACTOR

- Reduces the time required for placing, compacting and finishing.
- Eliminates the early "drying-up" of the surface which causes the so-called "wave effect".
- Makes it possible to lay floors that truly meet the expectations of the end user.
- Allows work to be performed while fully respecting current work site regulations (work hours, sound pollution).
- Improves the surface appearance of the floors.
- With SUMMER PAV it is possible to complete the finishing work on the same day as the casting itself, even during the winter, with significant technical, financial and logistical benefits.

#### DIRECTIONS TO USE

SUMMER PAV is a ready-to-use liquid admixture which is added to the concrete, together with the other components. The plasticising effect or water reduction is higher if the admixture is added to the concrete after 70% of the total mix water has been added. The addition of SUMMER PAV to dry aggregates is to be avoided. SUMMER PAV is not compatible with all admixtures for concrete.

## DOSAGE

The normally recommended dosage rate varies according to specific job site condition. The recommended dosage range is from 1.0 to 1.4 litres per 100 kg of cement.

Other dosages may be recommended in special cases according to specific job site conditions.

## PACKAGING AND STORAGE

SUMMER PAV is available in 25 L canisters and on order in 200 litre drums and 1000 litre containers or in bulk. SUMMER PAV must be stored in a place where temperature does not drop below 5°. If product freezes, thaw at +30°C and agitate until it is completely reconstituted.

### **IMPORTANT:**

All information contained herein is based on the best practical and laboratory. It's to the customer to determine that the product is suitable for the application they want to. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before application. This card replaces the previous. The data can be changed at any time. Also note that the products are intended for professional use Ideal Work Ideal Work provides training and that of their regular customers who request it. Anyone using these products without being enabled, you do so at your own risk.

SUMMERPAV ed. 01 dated 10.-02-2011 rev 1