

## WINTERPAV

### A new generation superplasticizer for concrete floors

#### DESCRIPTION AND WHERE TO USE

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

WINTERPAV 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

WINTERPAV is the answer to the market needs of concrete used in flooring because it combines the requirements of the supplier of ready-mix concrete to those of the contractor. Its special active process enables it to produce concrete products that feature 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.
- It 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.
- Permits work to be performed while fully respecting current work site regulations (work hours, sound pollution).
- Improves the surface appearance of the floors.
- With WINTER PAV it is possible to complete the finishing work on the same day as the casting itself, even during winter, giving significant technical, financial and logistical benefits.

#### DIRECTIONS TO USE

WINTER 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 WINTER PAV to dry aggregates is to be avoided. WINTER PAV is not compatible with all admixtures for concrete.

## DOSAGE

The normal recommended dosage rate varies according to specific job site conditions. From 5°C to 20 °C the dosage is 1.5 litres per 100 kg of cement. For temperature >20°C, the dosage is 1.2 litres per 100 kg of cement. Other dosages may be recommended in special cases according to specific job site conditions.

## PACKAGING AND STORAGE

WINTER PAV is available in 25 and 208 litre drums, 1000 litre containers or in bulk. WINTER PAV must be stored in a place where the temperature does not drop below 5'. If the 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.