

# chemicals for formwork – continued

## ADOFLOW-S STANDARD SET PLASTICISER

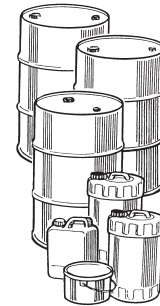
The addition of ADOFLOW-S to an existing concrete mix facilitates up to 25% reduction in added water content for a given slump with the resultant marked reduction in water/cement ratio providing increased strengths.

Alternatively it will increase slump by up to 150% without any increase in water content. ADOFLOW-S is therefore used to:

- Increased strengths without loss of workability, or
- Improve workability without an increase in water/cement ratio, or
- Maintain specified strength with reduced cement content

The inclusion of ADOFLOW-S In a well designed concrete mix will also provide:

- Easier and speedier placing and compaction
- Minimal segregation and bleeding
- Superior finish
- Reduced shrinkage and minimal cracking
- Increased density and impermeability



BUILDSPAN CODE	Size
ADFS5	5ltr
ADFS25	25ltr
ADFS210	210ltr

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## ADOFLOW-A ACCELERATED SET PLASTICISER

The inclusion of ADOFLOW-A in a concrete mix will accelerate the setting and hardening of concrete so that early strength gain is in excess of that obtained even with Rapid Hardening Portland Cement with the increase maintained beyond the 28 day age. This in addition to its plasticizing action.

Due to these characteristics the inclusion of ADOFLOW-A in a concrete mix, as well as providing all the benefits obtained from the use of ADOFLOW-S Standard Set Plasticiser, will also facilitate:

- Development of higher early strengths
- Safer winter concreting without delays
- Earlier stripping and greater re-use of moulds
- Earlier safe handling of Precast Units

BUILDSPAN CODE	Size
ADFA5	5ltr
ADFA25	25ltr
ADFA210	210ltr

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## ADOFLOW-ACF ACCELERATED CHLORIDE-FREE PLASTICISER

ADOFLOW-ACF is a chloride free accelerating admixture with plasticising properties. It is therefore ideal for use when it is desired to accelerate the set and rate of strength gain in concrete in instances where specification or code of practice, such as that for prestressed concrete does not permit the use of calcium chloride.

The inclusion of ADOFLOW-ACF in a concrete mix will:

- Accelerate initial and final set
- Increase rate of strength gain
- Enable earlier safe handling of precast units
- Improve workability
- Provide higher early strengths
- Permit earlier release of formwork
- Provide safer winter concreting with delays
- Enable reduction in water content

BUILDSPAN CODE	Size
ADFACF5	5ltr
ADFACF25	25ltr
ADFACF210	210ltr

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## ADOFLOW-R RETARDED SET PLASTICISER

The Inclusion of ADOFLOW-R in a concrete mix will provide similar characteristics and benefits to those provided by ADOFLOW-A. In addition, it will also reduce the rate of hydration of the cement, to retard initial and final set, as well as reduce the peak temperature resulting from the hydration process, thereby minimizing the risk of cracking. Due to these characteristics the inclusion of ADOFLOW-R in a concrete mix, as well as providing all the benefits from the use of ADOFLOW-S Standard Set Plasticiser will also facilitate:

- Longer time available between mixing and placing
- Avoidance of cold joints between pours
- Pours of greater volume with reduced risk of cracking

BUILDSPAN CODE	Size
ADFR5	5ltr
ADFR25	25ltr
ADFR210	210ltr

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## ADOFLOW-EXTRA SUPER PLASTICISER

ADOFLOW EXTRA is a liquid plasticiser and water reducing agent which imparts extremely high workability when added to a concrete mix or cementitious grout. Being a highly effective deflocculating agent it disperses cement paste into its primary particles increasing flow characteristics.

Benefits associated with the use of ADOFLOW EXTRA include:

- Enables concrete to achieve high compaction with minimal or no vibration or tamping
- Increases flow characteristics of concrete to assist with difficult pours
- Permits significant reduction in water content of normal workability concrete with consequent reduction in water/cement ratio to produce higher and early ultimate strengths

BUILDSPAN CODE	Size
ADFEXT5	5ltr
ADFEXT25	25ltr
ADFEXT210	210ltr

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