



**ADHERE BONDS**  
The Versatile Construction Chemicals

## ADHERE - ENLOC

### Cementitious Expanding Compound For Grout & Concrete

ADHERE ENLOC is an additive for grout and concrete which helps in counteracting initial shrinkage in the cement grout. It enables production of cement grout with reduced water cement ratio.

#### ADVANTAGES:

- Non-metallic.
- Permanent expansion.
- Suitable in any consistency - earth dry to free flow.
- High compressive and bond strength.
- Reduced creep and no shrinkage.
- Resistance to frost and fire damage.
- Dimensional stability.
- No plastic settlement.

#### FUNCTION:

The basic characteristic of cement, which causes it to shrink, is a drawback in many applications, for e.g. grouting. The traditional means of correcting this effect has been utilizing the expansive property of certain metallic powders like Iron and Aluminium, either oxidation or gas formation causing the expansion to counter shrinkage. Both systems have their own disadvantages. ADHERE ENLOC produces a nonshrink grout free from all side effects.

#### USES:

- Ideal additive to cement to produce non-shrink grout.
- In pre-stressing and post-tensioning applications without fear of corrosion of tendons.
- For floor patching, joining of prefabricated units and bonding new to old concrete.

#### METHOD OF USE:

It is advisable to pre-mix ADHERE ENLOC to dry cement - sand mix and the mix is added to the mixing drum containing measured quantity of water.

Mixing is to be carried out for 3-4 minutes for effective dispersion of the additive. To ensure the grout does not contain lumps, it is suggested to sieve the slurry.

#### COMPATIBILITY:

ADHERE ENLOC can be used with all available types of cement.

#### PROPERTIES:

- Supply form Powder
- Chloride content Nil
- Iron content Nil

#### RECOMMENDED DOSAGE:

225g for 50Kg bag of cement, for grouts.

#### SHELF LIFE:

12 Months from the date of manufacturing in ideal storage conditions.

#### PACKING:

225 Gms

#### PERFORMANCE TEST:

TEST	MIX COMPOSITION		COMPRESSIVE STRENGTH (MPA)				
	Cement (Kg)	Adhere Enloc (Grams)	3 Days	7 Days	14 Days	28 Days	Yield (m <sup>2</sup> )
1	50	225	-	-	20-22	15	28.5
35.5	41	0.036	-	-	-	-	-
2	50	450	50	-	20-24	18.2	29
36.1	43	0.058	-	-	-	-	-

#### Note:

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Adhere Bonds  
Coats Pvt Ltd

