



CEMENT ADMIXTURES ASSOCIATION

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the Sign of Quality

SECRETARY: JOHN DRANSFIELD

ADMIXTURE INFORMATION SHEET AIS 1

BS EN 934 - Admixtures for concrete, mortar and grout

Introduction:

BS EN 934 the Harmonised European Standard - 'Admixtures for concrete, mortar and grout.' replaced BS 5075 and BS 4887, which are withdrawn.

BS EN 934 is split into 6 parts:

- Part 1 Common requirements Draft document
- Part 2. Concrete admixtures. Published 2001
- Part 3. Admixtures for mortar Published 2003
- Part 4. Admixtures for grout Published 2001
- Part 5. Admixtures for sprayed concrete Draft
- Part 6. Sampling, conformity control, evaluation of conformity, marking and labelling. Published 2001

Part 6 is not a product standard but gives complementary information that is essential to the implementation of parts 2 to 5 and to the provision of information to the customer.

Within each part of EN 934, different types of admixture are covered by name, referring to their primary and in some cases also their secondary function in the same way as in BS 5075.

The admixtures covered by the BS EN 934 and BS 5075 / 4887 are cross-referenced in the Table on page 2

Transitional arrangements:

Where existing British Standards and Specifications call up BS 5075 certification, BS EN 934 should be accepted as showing equivalent compliance.

All admixtures covered by BS EN 934 should be CE marked.

CE marking:

BS EN 934 parts 2 to 5 are harmonised European standards and products conforming to all the requirements and to the requirements of BS EN934 part 6 have to be CE marked in order to be placed on the market in EU countries.

UK admixtures covered by EN 934-2 and supplied by CAA members are CE.

A new CAA code of practice requiring members to show conformity with EN 934 and requiring additional quality related items has been introduced.

This code of practice will include Initial Type Testing Certificates showing compliance with the Requirements of the relevant part of EN 934.

Other Admixtures

Some admixtures are not currently covered by EN934. The CAA has worked with BSI to introduce a new British standard BS 8443 to cover these admixtures. See AIS sheet no 2

Information on Admixtures:

For general information on admixtures contact:
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Cross Reference of Admixture equivalence

for BS EN 934 & BS 5075 / 4887

BS EN 934 Part No	EN 934 Admixture Name	Equivalent British Standard	BS Admixture Name
2	Water reducing / plasticizing	5075 pt 1	Normal water-reducing
2	High range water reducing / superplasticizing	5075 pt 3	Superplasticising
2	Water retaining	no equivalent	
2	Air entraining	5075 pt 2	Air Entraining
2	Set accelerating	5075 pt 1	Accelerating
2	Hardening accelerating	5075 pt 1	Accelerating
2	Set retarding	5075 pt 1	Retarding
2	Water resisting	no equivalent	(Often called Waterproofing!)
2	set retarding / water reducing plasticizing	5075 pt 1	Retarding water-reducing
2	Set retarding/High range water reducing / superplasticizing	5075 pt 3	Retarding superplasticising
2	Set accelerating / water reducing / plasticizing	5075 pt 1	Accelerating water-reducing
3	air entraining / plasticizing mortar admixtures	4887 pt 1	Air entraining (plasticizing) admixtures for mortar
3	long term retarded, ready to use mortar admixtures	4887 pt 2	Set retarding admixtures for mortar
4	Grout admixtures	no equivalent	
5	Sprayed concrete accelerating	no equivalent	
5	sagging prevention	no equivalent	
5	set control	no equivalent	
5	bond improving	no equivalent	