

Shrinkkomp is Non-Shrink, Free-Flowing, High Compressive Strength, Non - Metallic, Oil & Water Resistant, Chloride - free, Easy To Use, Pre-Mixed cementitious Grout for foundation grouting applications.

Shrinkkomp Grouts develop very high compressive strength and unlike metallic grouts do not generate any gases leading to the failure of the bond with the surface in contact. Shrinkkomp Grouts are based on the Expansive hydraulic Setting Binders, which impart controlled expansion that ensures the permanent bond between the Machine and the foundation. Shrinkkomp grouts are capable of withstanding dynamic loads without disintegrating.

Shrinkkomp has very high 7 days pull out bond strength of 200 Kg/Sq.Cm., which no other cement-based grouts possess. Dynamic load tests conducted with Shrinkkomp 30 have shown that 40mm x 40mm x 80mm specimen stood without damage 2 million cycles of stress fluctuations between 5 Kg/Cm.sq. – 250 Kg/Cm Sq. at 500 cycles per minute. The test qualifies Shrinkkomp 30 per foundation grouting of equipment where large dynamic loads are experienced during operation.

Consistency in performance of Shrinkkomp grout is assured, as only recommended quantity of water is required to be added to the designed permix composition. The Flowable and Selfleveling properties ensure complete filling voids and perfect bearing. Shrinkkomp Grouts can be poured, pumped and compacted.

Shrinkkomp grouts are ideally suited for foundation grouting applications of structure steel stanchions, cranes, rails, anchors, bolts, base plates, bridge bearings, pumps, mortars, compressors, generators, mills, turbines and many more equipment foundations.

To get the required flowable consistency, 75% of the total water required is first added to grout and mixed for 1-2 minutes and then balance 255 is added and whole mix is thoroughly mixed for 3-4 minutes. The slurry so prepared is poured

from one of the foundation to avoid air getting entrapped. A grout head of 100-150 mm is advisable for proper flow of grout beneath the base plate.

Shrinkkomp grouts need to be restrained from sides for best results. Areas exposed should be prevented from sudden evaporation by covering them with wet gunny sacks. Shrinkkomp grouts are tested as per ASTM-C-942-86 and ASTM-C-806 standards for compressive strengths and Expansion Characteristics respectively. Testing, however, is conducted at a temperature of 27 ± 2 °C. Qualified construction engineers are always available for providing necessary support on request.

Shrinkkomp grouts are also available in tailored compositions suiting to particular requirement.

PRODUCT: **SHRINKKOMP 10**

TYPE: GENERAL PURPOSE PLASTIC GROUT

NATURE OF BOND: FOUNDATION GROUTING OF STRUCTURES, MACHINES

GENERAL PROPERTIES

RAW MATERIAL BASE: HYDRAULIC BINDERS, SELECT GRADE FILLERS

MAXIMUM GRAIN SIZE: 6 mm

PHYSICAL PROPERTIES

	TYPICAL VALUE	SPECIFICATION
Water for Plastic Consistency, %	14.0	12-14
Compressive Strength, Kg/Cm ²		
After 3 days	210	150 min.
After 7 days	300	210 min.
After 28 days	380	320 min.
Expansion, %		
Free	0.36	0.50 % max.
Restrained	0.18	0.25 % max.
% Retained above maximum size	2	5 max.
Yield	25 Liters slurry/bag	25 Liters slurry/bag

Packaging : 50 kg bags Storage life : 9 months Delivery state : dry

PRODUCT:	SHRINKKOMP 20
TYPE:	FREE FLOW, HIGH STRENGTH
NATURE OF BOND:	FOUNDATION GROUTING OF MEDIUM DUTY MACHINES

GENERAL PROPERTIES

RAW MATERIAL BASE:	HYDRAULIC BINDERS, SELECT GRADE FILLERS
MAXIMUM GRAIN SIZE:	3 mm

PHYSICAL PROPERTIES

	TYPICAL VALUE	SPECIFICATION
Water for Plastic Consistency, %	15.0	13-15
Compressive Strength, Kg/Cm ²		
After 1 day	180	100 min.
After 3 days	345	280 min.
After 7 days	450	380 min.
After 28 days	550	500 min.
Expansion, %		
Free	0.17	0.20 % max.
Restrained	0.09	0.12 % max.
% Retained above maximum size	1.5	5 max.
Yield	25 Liters slurry/bag	25 Liters slurry/bag

Packaging : 50 kg bags Storage life : 9 months Delivery state : dry

PRODUCT:	SHRINKKOMP 30
TYPE:	FREE FLOW, HIGH ULTIMATE STRENGTH
NATURE OF BOND:	FOUNDATION GROUTING OF HEAVY DUTY MACHINES SUBJECT TO STATIC AND DYNAMIC LOAD

GENERAL PROPERTIES

RAW MATERIAL BASE:	HYDRAULIC BINDERS, SELECT GRADE FILLERS
MAXIMUM GRAIN SIZE:	3 mm

PHYSICAL PROPERTIES

	TYPICAL VALUE	SPECIFICATION
Water for Plastic Consistency, %	15.0	15-17
Compressive Strength, Kg/Cm ²		
After 1 day	400	280 min.
After 3 days	590	500 min.
After 7 days	700	650 min.
After 28 days	800	780 min.
Expansion, %		
Free	0.16	0.30 % max.
Restrained	0.08	0.15 % max.
% Retained above maximum size	1.5	5 max.
Yield	25 Liters slurry/bag	25 Liters slurry/bag

Packaging : 50 kg bags Storage life : 9 months Delivery state : dry

PRODUCT: **SHRINKKOMP 40**

TYPE: FREE FLOW, HIGH EARLY STRENGTH

NATURE OF BOND: FOUNDATION GROUTING OF EARLY COMMISSIONING

GENERAL PROPERTIES

RAW MATERIAL BASE: HYDRAULIC BINDERS, SELECT GRADE FILLERS

MAXIMUM GRAIN SIZE: 3 mm

PHYSICAL PROPERTIES

	TYPICAL VALUE	SPECIFICATION
Water for Plastic Consistency, %	17.0	17-20
Compressive Strength, Kg/Cm ²		
After 1 day	270	200 min.
After 3 days	375	350 min.
After 7 days	430	400 min.
After 28 days	550	500 min.
Expansion, %		
Free	0.17	0.30 % max.
Restrained	0.09	0.15 % max.
% Retained above maximum size	1.5	5 max.
Yield	12.5 Liters slurry/bag	12.5 Liters slurry/bag

Packaging : 25 kg bags Storage life : 9 months Delivery state : dry