



KISCRETE MB

Non-Explosive Demolition Agent

DESCRIPTION

KisCrete MB is a specially-designed blend of chemicals that expands when mixed with water. KisCrete MB is able to fracture both rock and concrete cleanly and safely less the risk of using explosives. KisCrete MB is also most suited to demolish structures where there are constraints on space or lack of electrical powers.

RECOMMENDED USE

- Quarrying
- Rock splitting
- Demolition of concrete structures
- Under-water demolition

ADVANTAGES

- Silent and vibration free
- Safe to use, requiring minimal safety precautions
- Dust and pollution free

PACKAGING

KISCRETE MB is supplied in 20kg boxes of 4 x 5kg plastic bags.
Packaging size may vary subject to local regulations and requirements.

APPLICATION GUIDELINES

Important

When using KisCrete MB always read the safety instructions and wear protective equipment. Select the correct grade of KisCrete MB according to the temperature of the material to be demolished. Holes should be drilled to a pre-determined depth and spaced accordingly. Never drill holes bigger than 50mm.

Mix 5kg of powder with 1.5 litres of water gives a yield of 3.1 litres. Mix only 1 bag at a time and use within 10 minutes. Do not remix. Unused material should be mixed with excess water and poured out onto a plastic sheet in a thin film to cure.

After pouring the slurry into the pre-drilled holes, cover the holes with a plastic sheet to protect against blowouts. Never look into the hole.

Crack formation will take 10 to 20 hours. For maximum effect it is best to leave the KisCrete MB for as long as possible. Spraying the cracks with water as they form also helps to produce wider cracks.

STORAGE

Material should be stored at room temperature (min 10°C and max 38°C), kept dry and out of direct sunlight. If these conditions are maintained and the product packaging is unopened, then a shelf life of 1 year can be expected.

TECHNICAL PROPERTIES

KisCrete MB								
Grade				KisCrete MB				
Hole Diameter				36 - 50mm				
Temperature of material to be cracked (°C)								
Water temperature				Max. 25°C				
Temperature of TAMSTAR				Max. 35°C				
Estimating Guide								
Kind of object to be demolished						Standard quality of KisCrete MB per 1m ³		
Rocks	Soft rock		5 ~ 8kg					
	Medium rock		2 ~ 12kg					
	Hard rock		12 ~ 20kg					
Bricks	Anti-fire bricks		10 ~ 25kg					
Concrete	Reinforced concrete	Low density re-bar	10 ~ 25kg					
		High density re-bar	20 ~ 35kg					
Kind of object						Hole length		
Boulder						80% of height		
Bench						105% of height		
Concrete						90% of height		
Hole Length: This varies with the shape of the object to be demolished. The hole length should be at least 3 times the diameter of the hole.								
Hole Diameter (mm)	36	38	40	42	44	46	48	50
KisCrete MB (kg/m)	1.7	1.9	2.1	2.3	2.5	2.8	3.0	3.2
Rock type				Hole spacing				
Hard Virgin				40 ~ 60cm				
Soft Virgin				50 ~ 70cm				
Pre-splitting				30 ~ 60cm				
Concrete type		Quantity of Re-bars			Hole spacing			
Plain		0 - 30kg/m ³			40 - 70cm			
Reinforced		30 - 60kg/m ³			30 - 40cm			
		60 - 100kg/m ³			25 - 35cm			
		>100kg/m ³			20 - 30cm			

IMPORTANT NOTES

Any information and/ or specification contained herein is to the best of the company knowledge, true and accurate, it is always recommended that trial to be carried out to confirm suitability of use for all products, as no warranty is given or implied in connection with any recommendations and/ or suggestions made by the company representatives, agents and/ or distributors.

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