

For presentation only

PATCHCRETE MIX DESIGN

Below is a technique of repair of damaged, contaminated, or aged concrete by thin layers.

1. Spray K¹⁰⁰ G (300 Gram/1 Liter of water) by 2 Liters/m² on area of application.
2. Apply PATCHCRETE no sooner than after 45 minutes.
3. Spray K¹⁰⁰ G before trowelling when shiny concrete surface is needed.
4. No curing is required.

Material	UNITS OF MEASUREMENTS				NOTICE: proposed mix is designed for application of the layers with minimal thickness at 8 mm.
	Lbs	CF	Kg	m ³	
Ordinary Portland Cement	329	1.67	205	0.065	
Gravel Ø0.5 mm ÷ Ø 2.5 mm	780	5.29	465	0.184	Not larger than Ø3.0 mm
Coarse Sand #16	600	3.49	362	0.156	
Krete ¹⁰⁰	7	.094	4.25	0.00279	
Water	162	2.7	96	0.0924	W/C = 0.468
Total	1,878	13	1132.25	0.500	D = 2265 Kg/m ³ or 145 LB/CF

PATCHCRETE BATCH INSTALLATION

1. Batch must be no smaller than 250 Kg.
2. Turn on mixer for 2 minutes.
3. In a case of the batch stiffness do not add water. Continue mixing another 2 minutes.
4. Continue mixing during of application. Do not stop mixer.

ESSENTIALS AND CURING

1. After application, do not provide curing procedure and do not use curing compounds.
2. Do not cover fresh PATCHCRETE with any films or blankets.
3. Expected results:
 - Compressive Strength at 50 MPa
 - Tensile Strength at 8 MPa
 - Water impermeability at W12

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