

InstaMix[®]

MICRONE



**Ready to pour, pre-mixed,
Non shrink Wet Micro Concrete**



Instamix Microne

Instamix Microne is a non-shrink, high strength pre-mix wet micro concrete produced in our Ready Mix Concrete plant and supplied in a 35 Kg ready-to-pour HDPE bag. Instamix Microne is blended with micro fibres and special admixture that provides perfect bond with the concrete surface for durable and strong structure. The same is available from M-30 to M-80 grade it can be customized as per the client requirement. Can also be blended with 10 mm down aggregates as per site requirements.



Produced in ready-mix concrete plant

Packaging in 35Kg bags

Supply to site in pickup van

Directly pour in jacketing

Technical data**

Compressive Strength (N/mm²):

Day / Grade	M-30	M-40	M-50	M-60	M-70	M-80
1 Day	≥7.5	≥10	≥12	≥15	≥18	≥20
3 Day	≥15	≥20	≥25	≥30	≥35	≥40
7 Day	≥23	≥30	≥35	≥40	≥45	≥60
28 Day	≥30	≥40	≥50	≥60	≥70	≥80

Flexural Strength (N/mm²):

Day / Grade	M-30	M-40	M-50	M-60	M-70	M-80
28 Day	> 2.75	> 3	> 3.25	> 3.5	> 3.75	> 4

(Blended with 10mm down aggregates)

Day / Grade	M-30	M-40	M-50	M-60	M-70	M-80
28 Day	> 3.5	> 4	> 4.5	> 5	> 5.5	> 6

Fresh Density:

2350±100Kg/m³

Tensile Strength (N/mm²):

Day / Grade	M-30	M-40	M-50	M-60	M-70	M-80
28 Day	> 1.75	> 2	> 2.25	> 2.75	> 3	> 3.25

(Blended with 10mm down aggregates)

Day / Grade	M-30	M-40	M-50	M-60	M-70	M-80
28 Day	> 2.5	> 3	> 3.5	> 4	> 4.5	> 5

Pull out Strength (Bond Strength): 1.07 N/mm²
(ASTM D7234-12)

Water Permeability:

(As per DIN 1048 test method)

M-30	M-40	M-50	M-60	M-70	M-80
<10mm	<7.5mm	<5mm	<5mm	<2.5mm	<2.5mm

Rapid Chloride Permeability

(As per ASTM C1202)

	M-30/ M-40	M-50/ M-60	M-70/M-80
28D	1750-2000	1500-1750	1250-1500
56D	1000-1250	750-1000	500-750

E Modulus (MOE)

M-30	M-40	M-50	M-60	M-70	M-80
22000-24000	24000-26000	26000-28000	28000-30000	30000-32000	32000-34000

(Blended with 10mm down aggregates)

M-30	M-40	M-50	M-60	M-70	M-80
26000-28000	28000-30000	32000-34000	36000-38000	39000-41000	42000-44000

**The tests have been tested in a NAAB accredited lab. Results may change as per the locally available raw materials, whether and site condition.

Applications

Instamix Microne is a pourable grade wet micro concrete for repair and retrofitting of structural and non-structural concrete members for vertical and horizontal application e.g-Jacketing of beam, column, shear walls, footings etc.

Instamix Microne General application procedure

Surface Preparation

Prepare the surface as per consultant and site in-charge's recommendations

- For jacketing of beam/column/shearwall all preparations should be finished before delivering the Microne bags at site.
- Jacketing/ Foam work is properly erected and supported to withstand the micro concrete pressure during pouring.
- Bonding coat on host or old concrete could be applied as per specifications.

Application procedure



Unload the Microne bags from vehicle and stack near pouring area



Shake well the Microne bags before pouring



Open the bag and directly pour the Microne in jacketing


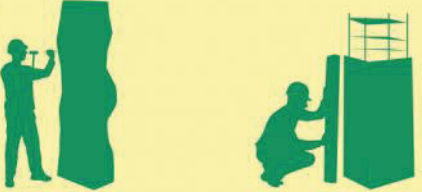







Remove the jacketing/Foam work after 24-48 hours and water curing or as per site in charge's instruction

Product Features & Benefits

- **Wet Pre-mixed at plants:**
 - No need to add water & aggregates at site, results Controlled Quality
 - Minimal Site efforts
 - High productivity
 - Negligible wastage.
 - Easy to pour with 35 kg bags
- **Low water permeability & RCPT values results more durable structure.**
- **High workability:**
 - Self consolidating no honey combining.
- **Non shrink:**
 - Volume stable in wet & dry stage.

Dry Micro Concrete Vs InstaMix Microne

<p>Step 1</p>  <p>Chipping the loose concrete, put extra reinforcement and place form work</p>	<p>Step 1</p>  <p>Chipping the loose concrete, put extra reinforcement and place form work</p>
<p>Step 2</p>  <p>Material shifting at site</p> <p>Unloading & shifting to mixing location</p>	<p>Step 2</p>  <p>Wet Micro concrete transported through pickup van 2 labour unload the material</p>
<p>Step 3</p>  <p>Micro concrete mixing at site</p>	<p>Micro concrete mixing at site</p>
<p>Step 4</p>  <p>4-5 labours for mixing thru power mixture, shifting & pouring</p>	<p>Step 3</p>  <p>3-4 labours for Shifting & pouring</p>

Packing

Instamix Microne bags are available in 35 Kg, pre mix ready to pour bags.

Workable Life

Instamix Microne is designed for 4-6 hours workable life from the time of production in Nuvoco plants, it can be customized as per site conditions on specific need.

Precautions

For full health & safety hazard information and how to safely handle and use this product, please make sure that you obtain a copy of Material Safety Data Sheet (MSDS) from our office.

Disclaimer

The use of this product is beyond the manufacturer's control. The manufacturer is not responsible for any loss or damage arising from incorrect usage. The information contained herein is to the best of our knowledge true and accurate. No warranty is implied or given as to its completeness or accuracy in describing the performance or suitability of the product for a particular application.

