



# Technical Details

# Magic Xp

Elastomeric Paintable Plaster

Edition:

**March 2024**

# Eliminates all types of cracks



## MAGIC Xp Elastomeric Paintable Plaster

Xylo paints - Magic Xp is an elastomeric paintable plaster/putty that is crack and leak free, hydrophobic, exterior grade self curing material available as a ready to use paste.



**BASE MATERIAL:**Water Based

### PRODUCT BENEFITS

#### TOUGH AND DURABLE

**MAGIC XP CAN BE LOADED WITH A ROLLER AND SWIPED WITH A TROWEL BLADE**



Indentation Resistant



Anti-Fungal



Hydrophobic



Elastomeric



Eco-Friendly



Available in Colors

#### ELIMINATES ALL TYPES OF CRACKS

**MAGIC XP CAN BE USED AS A LEVELLING AGENT TO A THICKNESS OF 0.5 MM TO 25 MM**

### PACKAGES AVAILABLE

#### SHELF LIFE

18 months

#### POT LIFE

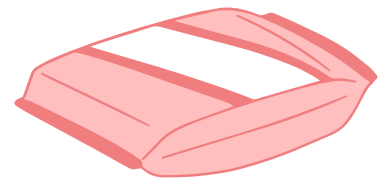
4 – 6 hours under proper care



**5 KG  
BUCKETS**



**20 KG  
BUCKETS**



**20 KG  
BAGS**

### FINISH



**Matt**

Low Sheen

High Sheen

High Gloss



Rough

**Smooth**

Soft

## Magic Xp

### TECHNICAL DETAILS

<b><u>PARTICULARS</u></b>	<b><u>MAGIC XP</u></b>
<b>TENSILE STRENGTH (N/mm<sup>2</sup>)</b>	1.8 (IS 17545- 2021 Annex B)
<b>WATER ABSORPTION(%)</b>	24 (ASTM- D- 570)
<b>MINIMUM &amp; MAXIMUM LOADING (IN MICRONS)</b>	100 - 3000
<b>FLEXURAL STRENGTH(MPA)</b>	1.6 (ASTM D- 790-17)
<b>COMPRESSIVE STRENGTH (N/mm<sup>2</sup> or MPA)</b>	5.6 (IS- 17545 - 2021)
<b>VISCOSITY</b>	(2:1 dilution with water) 17 secs
<b>WEIGHT/LTR</b>	1.73kg/ltr
<b>PH</b>	8 - 8.5
<b>SURFACE DRYING</b>	45 mins
<b>RECOATABILITY</b>	After 4 hours
<b>SOLID CONTENT</b>	77%
<b>POLYMERS</b>	Less than 17%
<b>PLASTICIZERS</b>	Less than 4%

## Magic Xp

### TECHNOLOGIES INTRODUCED BY US

★ Impregnation



★ Hydrophobic Film Formation



★ Homogeneous Film Formation



★ Delayed Drying



★ Excellent Adhesion



★ Excellent Indentation Resistance



★ Elastomeric Properties



## Magic Xp

### APPLICATION PROCEDURE

#### **DRY WALL & PRE CAST PANELS:**

- Fill the joints with MagicXp and allow it to dry completely.
- Apply MagicXp on the joints and affix nylon mesh on it when wet.
- Swipe the excess material out when the surface is wet.
- Apply MagicXp all over and ensure that there are no blade marks.

#### **CRACKED RCC SURFACE:**

- Open up the cracks 4mmX12mm deep.
- Open up randomly on a couple of more areas in the same wall.
- Follow the procedure as mentioned in DRY WALL

#### **CRACKS ON AAC BLOCKS SURFACE:**

- Open up the cracks 4mm X 12mm deep.
- Fill it with Magic Xp.
- Apply Magic Xp all over the surface and affix nylon mesh when it is wet.
- All corners must be wrapped with the nylon mesh.
- Remove the excess material with a blade when it is wet.
- Apply Magic Xp all over and ensure that there are no blade marks.

#### **FOR ALL OTHER JOINTS – IN PRE-CAST, PILLAR & BLOCK WORK ETC:**

- Fill the joints in two coats.
- Apply Magic Xp and affix nylon mesh when it is wet.
- Apply Magic Xp all over as putty in two coats.

#### **ON SURFACE CRACKS:**

- Remove the surface cracks by using emery paper or a blade.

#### **SURFACE TREATMENT:**

- On all the above surfaces, after the basic surface preparation, apply
- Magic Xp as a putty in Two Coats.
- Give a gap of six hours between 2 coats.
- Before applying the second coat, move a dry blade across the surface to remove any rough portions
- Move the trowel/ blade horizontally and vertically and get the excess material out.
- Ensure that there are no blade marks.
- Vertical blade marks can be removed by moving the blades vertically and so on.

#### **FOR PUNNING:**

- Load the material with a roller
- Use an aluminum tube , used by the POP guys, to level the surface.
- Allow the surface to dry for at least 24 hours.
- Apply Magic Xp to smoothen the surface by moving the trowel to remove the excess material vertically and horizontally.

#### **FOR AAC BLOCKS/ LAMINATION OVER WEAK PLASTER:**

- Apply Magic Xp all over the surface and affix one meter width nylon mesh.
- Wrap the mesh on all the corners including the ceiling if need be.
- Apply one or two more coats to give a finishing touch.

## Magic Xp

### APPLICATION PROCEDURE

#### ON FCB/CPB/CALCIUM SILICATE/GYPSUM BOARD:

- Leave a gap of 3 to 5mm between boards.
- Ensure that there is backing of GI Channel at every joints.
- Fill Magic Xp on the joints and remove the excess material.
- Allow it to dry for at least 3-4 hours. You will observe that the material has sunk in.
- Apply 3" of Magic Xp along the joints to 1-2 mm thick and paste nylon mesh of 3" on it when the surface is wet.
- Swipe the excess material out and put it back into the container.
- Allow it to dry for 6-8 hours.
- Apply Magic Xp all over the surface in two coats , with a gap of six hours between coats, to get an even, seamless and paintable surface.
- Top coat the surface with SPADE - Premium Washable Emulsion for interiors and Weather Touch - Anti-fungal Emulsion for exteriors or any compatible emulsion.

#### DOS AND DON'TS FOR THE ABOVE:

- Do not use any other putty over Magic Xp used in the joints.
- Should you use any other putty , then only top coat will crack and not the substrate.
- Do not use a non-compatible emulsion over Magic Xp.
- Should you use a non-compatible emulsion , then only that emulsion will crack and not the substrate material.
- Give enough time for each step to dry completely.
- Clean the entire surface with a dry blade or 1000no emery paper before painting the surface.
- Load Magic Xp with a fur roller and remove the excess material with a blade and must be put in the container.

#### HOW TO IDENTIFY IF THE CRACK IS ON THE TOP STRATE OR SUBSTRATE ?

- If the underneath of the crack is dark in color then the substrate has cracked.
- If the underneath of the crack is light in color then the topstrate has cracked.

#### NOTES

- Magic Xp may be loaded with a roller for faster application.
- Then trowel must be used only for removing the material.
- Minimum two coats of Magic Xp is required.
- Do not use emery paper.
- If an emery paper is used out of compulsion, ensure that one more coat of Magic Xp is applied.
- Do not apply any other putty on top of Magic Xp.
- Apply only Premium Emulsion on top.
- No primer required before painting.

## Magic Xp

### CHALLENGES FACED BY CONSTRUCTION INDUSTRY

Use of new products and modern construction technology has led to faster and more efficient constructions, resulting in reduced costs for new age home buyers.

However, there are certain challenges that remain unaddressed causing much anguish.

Xylo has taken it upon itself **TO BE A PART OF THE SOLUTION.**

Some of the challenges that Xylo addresses in the construction industry are listed below.

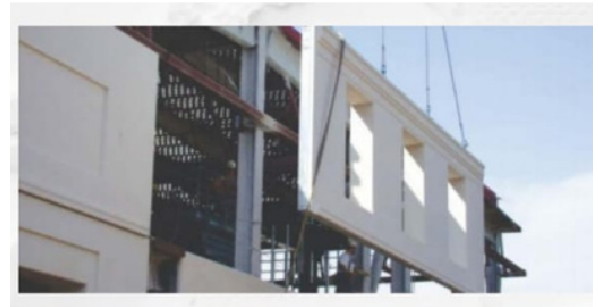
#### **DRY WALL CONSTRUCTION/CEMENT BOARD CALCIUM SILICATE BOARD/GYPSUM BOARD**

- Joints tend to crack
- Undulated Surface
- Bulging at joints



#### **PRECAST CONSTRUCTION**

- Cracks between two pre cast panels
- Cracks between precast panels & AAC block work
- Pin holes on RCC panels
- External vertical and horizontal joints crack and lead to leakage



#### **PLASTERED WALL**

- Surface Cracks
- Weak Plaster

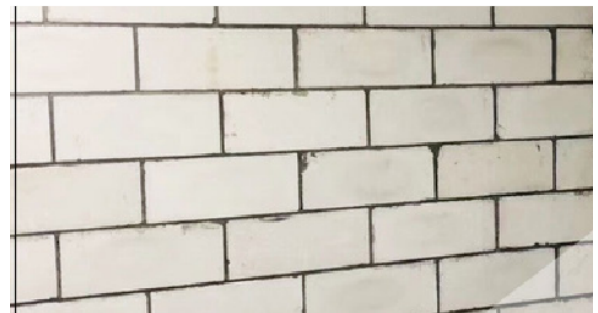


#### **AAC BLOCKWORK**

- Improper adhesion between block to block
- Improper adhesion between block to conduit to plaster
- Improper adhesion between block to RCC
- Water seepage through joints.

#### **MYVON/MONOLITHIC CONSTRUCTION**

- Direct tile pasting is a big challenge
- Pin holes on the RCC walls
- External RCC joints are seen
- Floor to floor joints tend to crack and cause leakage
- Cut out for windows never in straight line which leads to leakage



# Eliminates all types of cracks



## Magic Xp

**XYLO IS A PART OF THE SOLUTION**

**Magic XP** in combination with **AAC Bond | Gypo | Gypo Plus | TILO | No Crack** addresses all these challenges effectively and efficiently.



**bmtpc**



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