



# WALL & FLOOR

## Solutions

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**COMPLETE SOLUTIONS  
FOR PERFECT WALLS & FLOORS**

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## THE FINISHING THAT TRANSFORMS HOUSES INTO HOMES

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Building perfect walls & floors require the proper selection of quality materials at every stage. At YTL, we are passionate in delivering the perfect finishing. Follow our guide in this brochure to find everything you need to know.

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# CHALLENGES

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## Common walls and floors problems

### Hairline crack



- Inappropriate cement mortar selection
- High volume change in mortar
- Fast-drying of cement-rich mortar
- Improper mixing of cement mortar
- Poor workmanship

### Paint peeling



- Painting on poor quality skim coat
- Painting on wet surface
- Poor surface preparation (e.g. contamination of dirt, grease etc. or lack of primer paint, sealer, etc.)

### Powdery finish



- Low quality skim coat / paint which lacks polymer binder
- Over diluted paint

### Moulding



- Inadequate or no anti-mould skim or paint coating
- High humidity
- Prevalence of high microbes
- Organics in paints and plaster
- Improper / lack of waterproofing

### Blister



- Wrong usage of top coat
- Insufficient curing of plaster / skim coating prior to painting job
- Moisture penetration from plaster to painted surface

### Efflorescence



- Inadequate hydrophobic coating on external wall
- Migration of soluble salts from bricks and cement mortar to wall surface
- Painting over wet walls
- Wall crack

### Falling tiles



- Inappropriate selection of tile adhesive
- Tile adhesive is not used
- Insufficient coverage of tile adhesive on back of tile surface

### Hollowness



- Inappropriate render or screed selection
- Excessive thickness buildup
- Poor surface treatment

# BRICK WALL SOLUTIONS

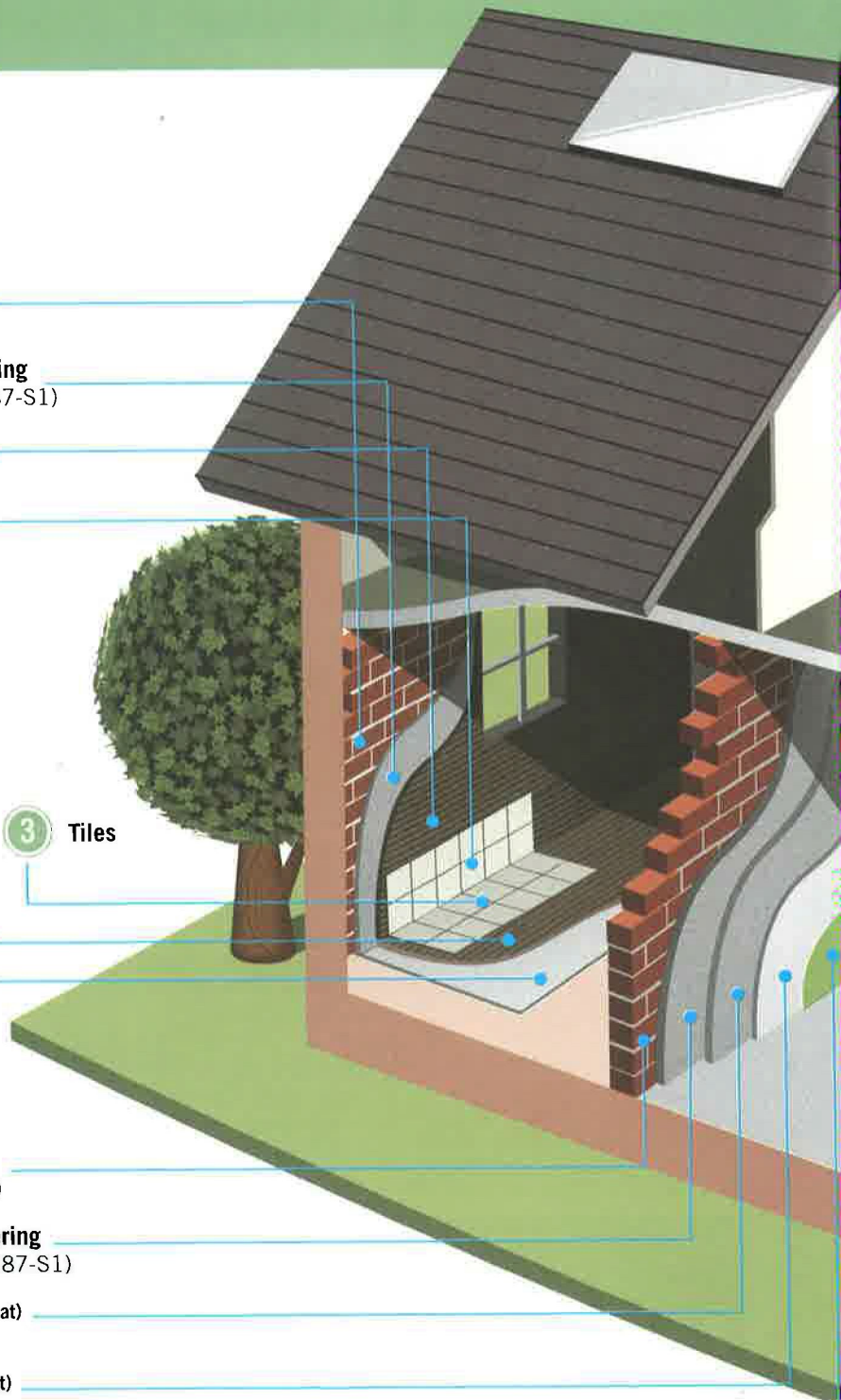
## INTERNAL WALL Tile Finish

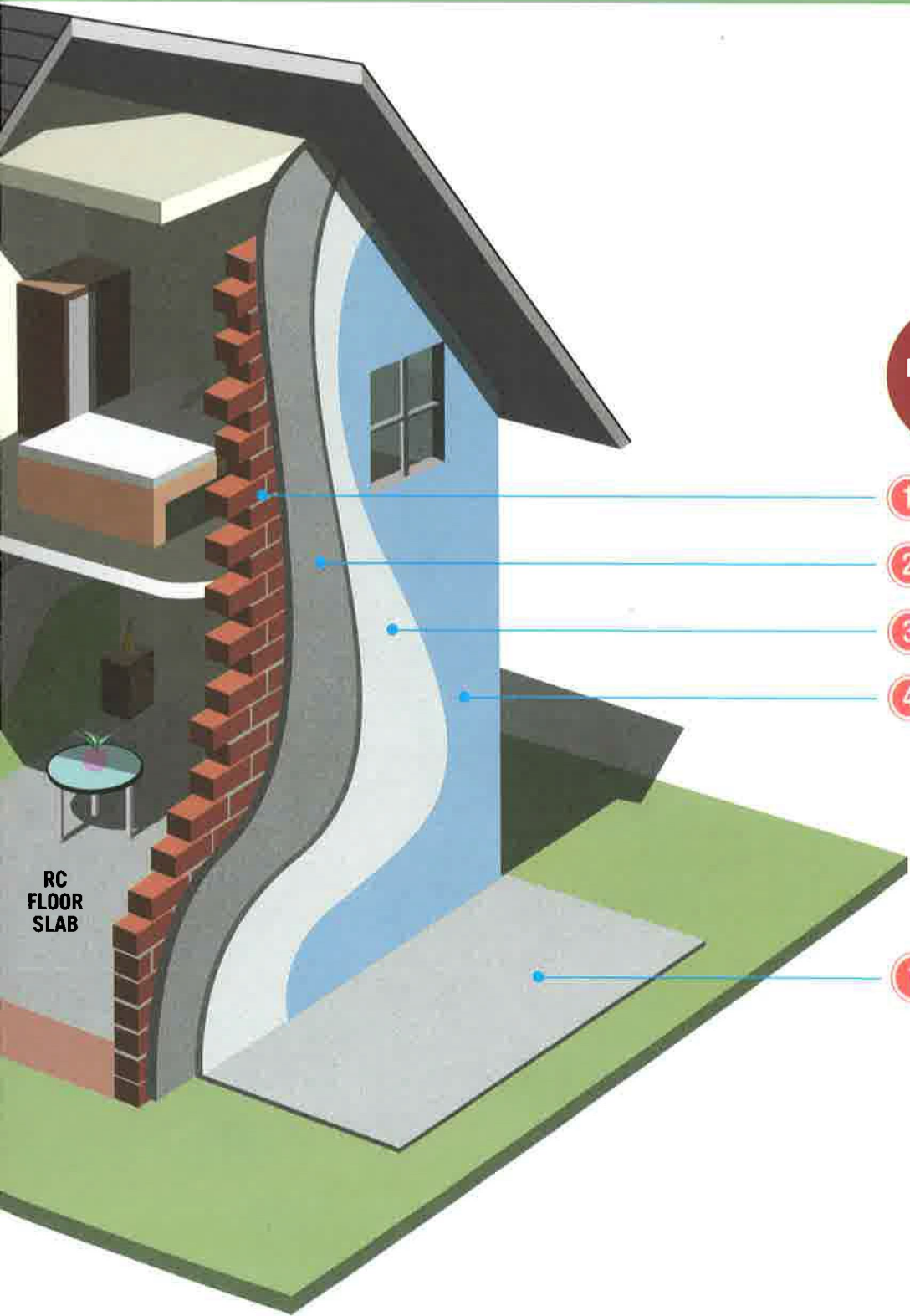
- 1 **Brick Laying**  
(Phoenix / 387-S1)
- 2 **Plastering / Rendering**  
(Walcrete / 399 / 387-S1)
- 3 **Tile Adhesive**  
(360 / 361 / 369)
- 4 **Tiles**

- 1 **Screed**  
(383)
- 2 **Tile Adhesive**  
(360 / 361 / 369)
- 3 **Tiles**

## INTERNAL WALL Paint Finish

- 1 **Brick Laying**  
(Phoenix / 387-S1)
- 2 **Plastering / Rendering**  
(Walcrete / 399 / 387-S1)
- 3 **Skim Coat (Base Coat)**  
(380)
- 4 **Skim Coat (Top Coat)**  
(388)
- 5 **Painting**





## EXTERNAL WALL

- 1 Brick Laying**  
(Phoenix / 387-S1)
- 2 Plastering / Rendering**  
(Walcrete / 399 / 387-S1)
- 3 Skim Coat (Top Coat)**  
(389)
- 4 Painting**

- 1 Screed (383)**  
can be power-floated to bare smooth finishes

RC FLOOR SLAB

# RC WALL SOLUTIONS

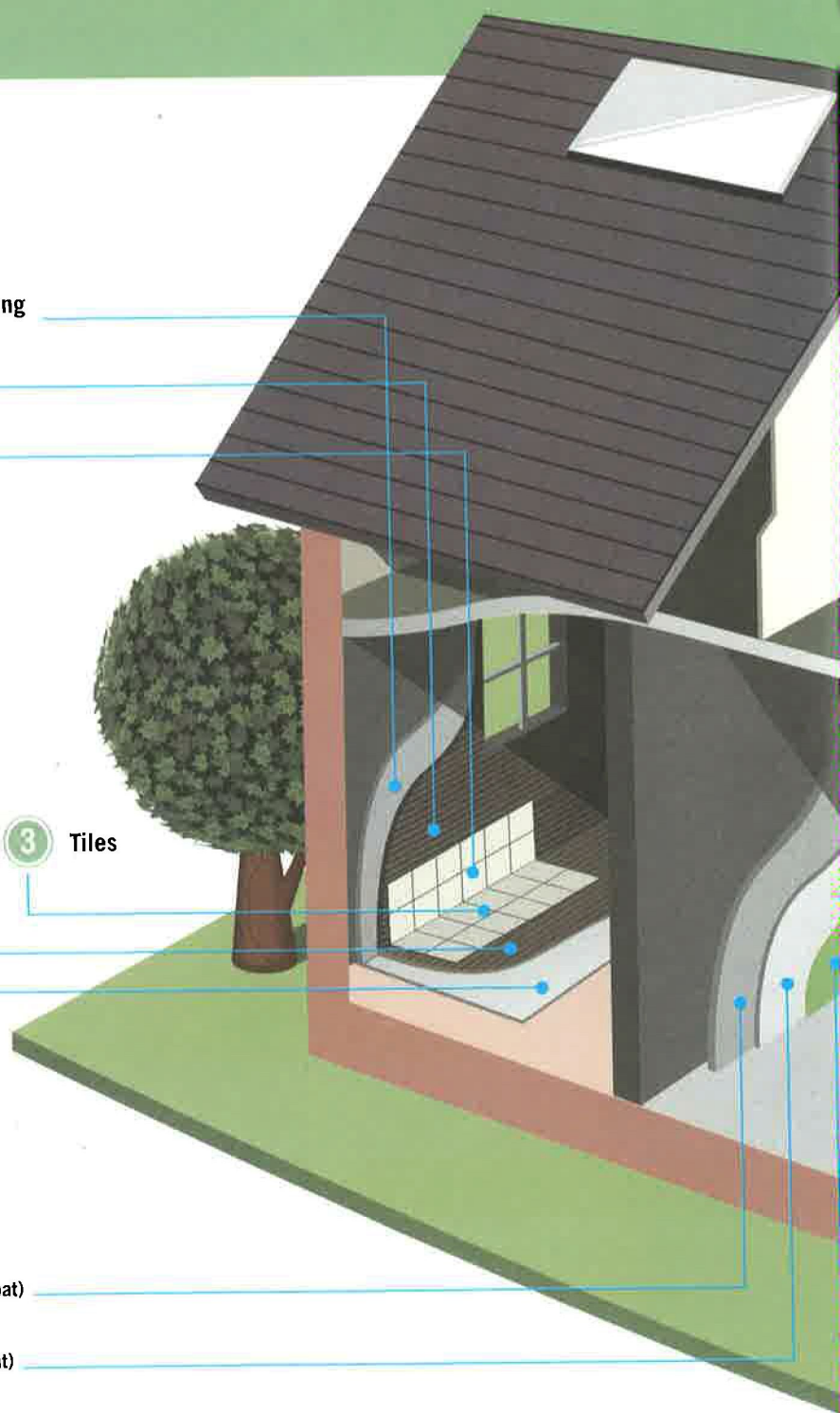
## INTERNAL WALL Tile Finish

- 1 **Plastering / Rendering**  
(387 / 386+)
- 2 **Tile Adhesive**  
(360 / 361 / 369)
- 3 **Tiles**

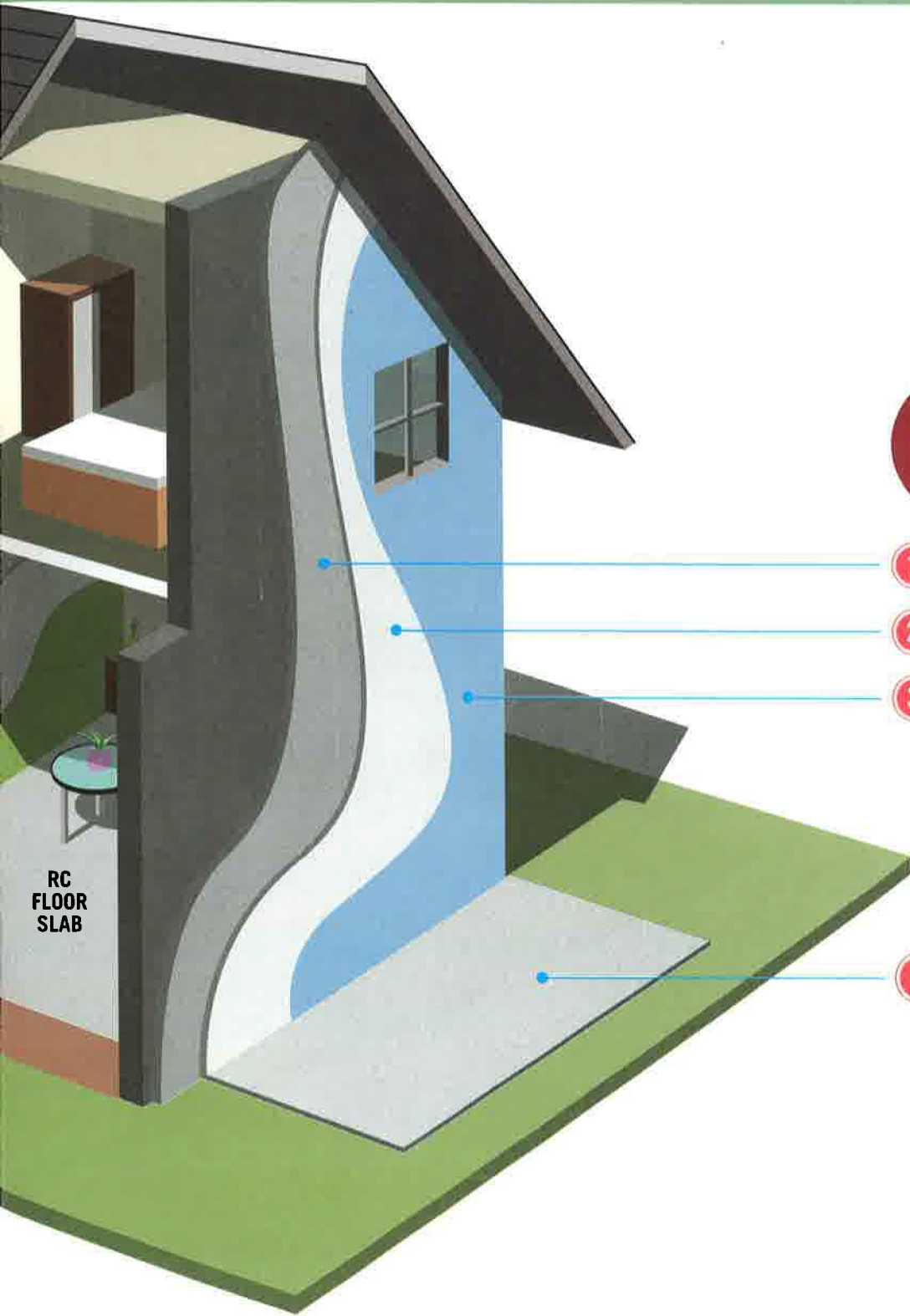
- 1 **Screed**  
(383)
- 2 **Tile Adhesive**  
(360 / 361 / 369)
- 3 **Tiles**

## INTERNAL WALL Paint Finish

- 1 **Skim Coat (Base Coat)**  
(380)
- 2 **Skim Coat (Top Coat)**  
(388)
- 3 **Painting**







## EXTERNAL WALL

1 **Plastering / Rendering**  
(387 / 386+)

2 **Skim Coat (Top Coat)**  
(389)

3 **Painting**

1 **Screed** (383)  
can be power-floated to  
bare smooth finishes

RC  
FLOOR  
SLAB

# BLOCK WALL SOLUTIONS

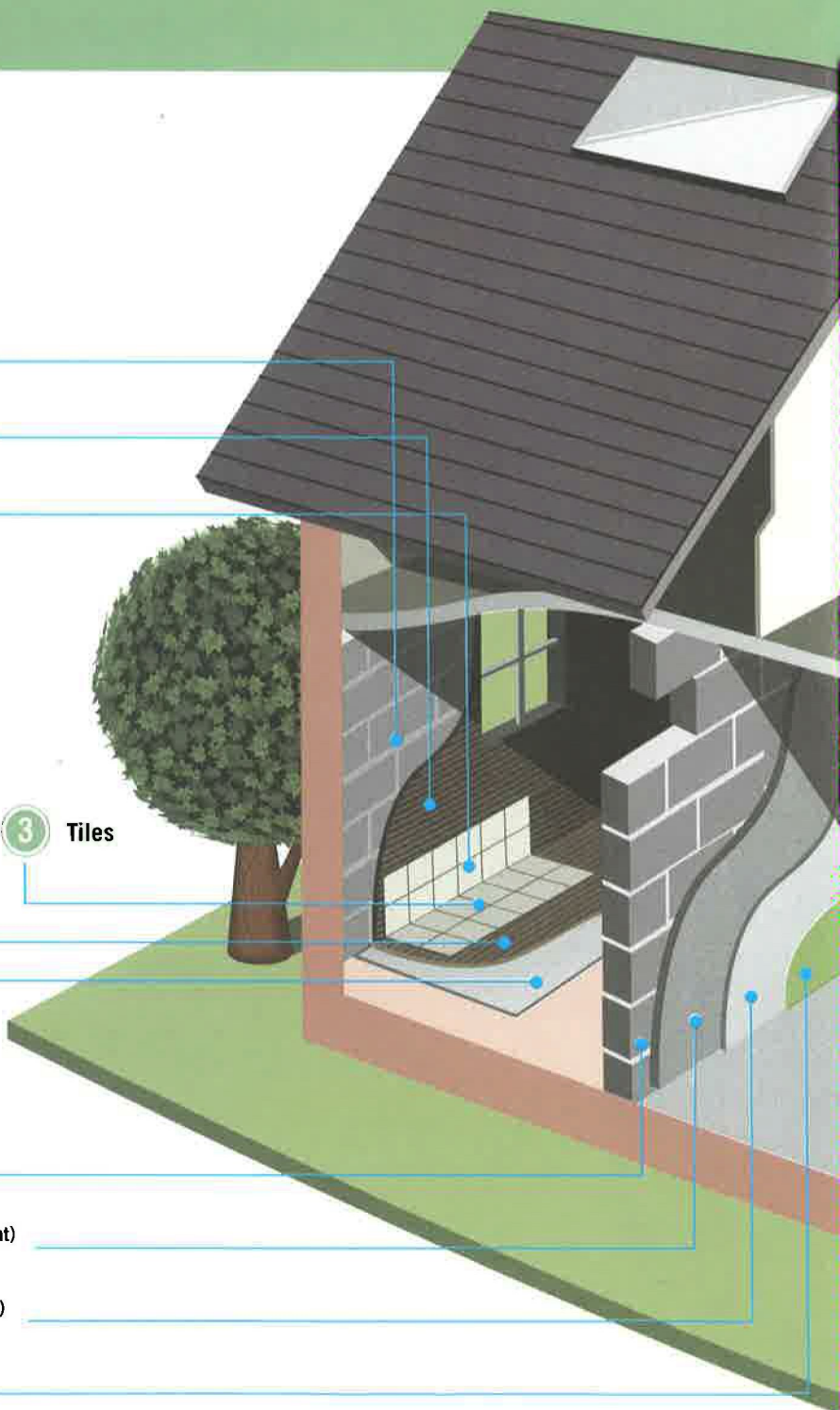
## INTERNAL WALL Tile Finish

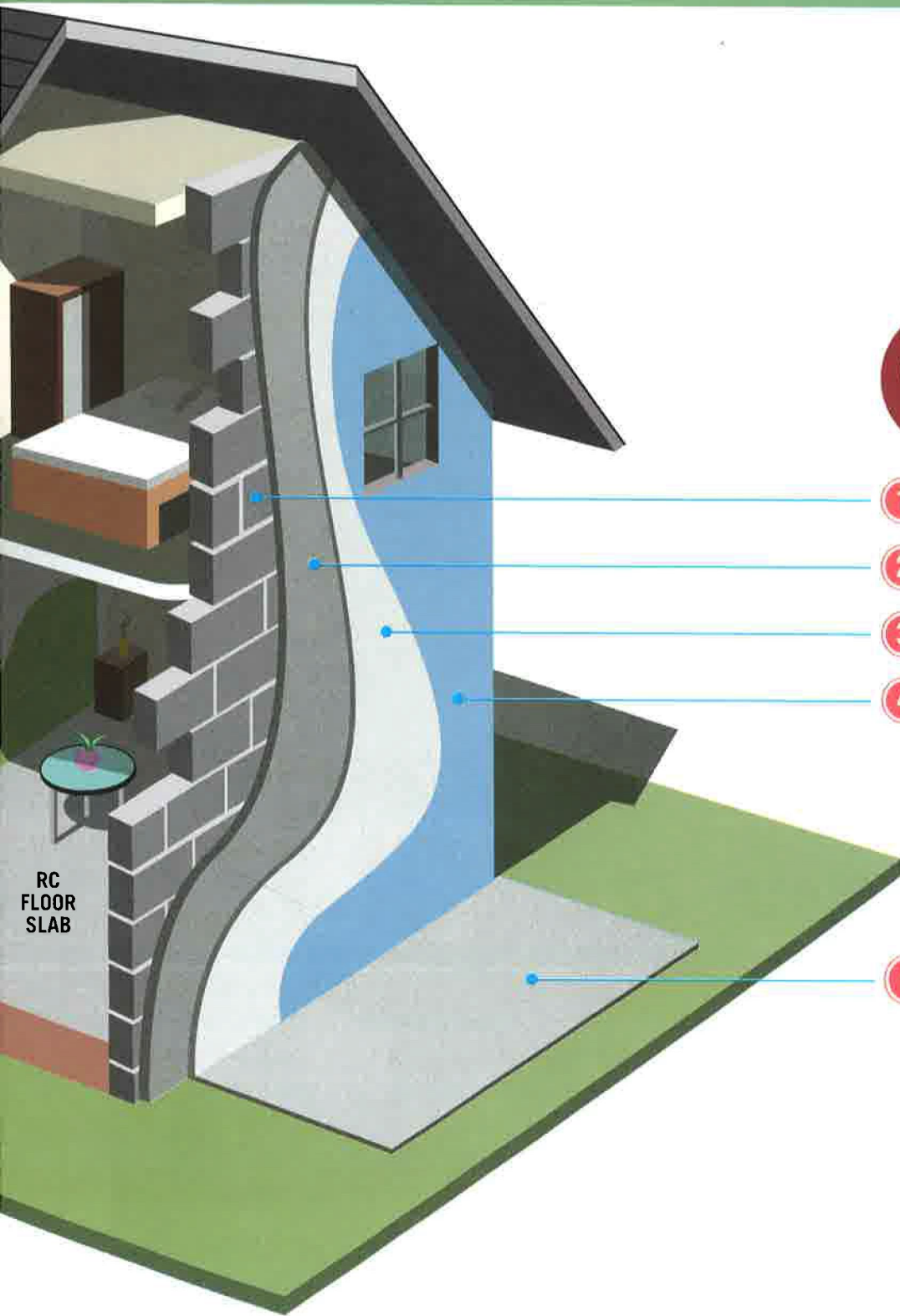
- 1 **Block joining**  
(362)
- 2 **Tile Adhesive**  
(360 / 361 / 369)
- 3 **Tiles**

- 1 **Screed**  
(383)
- 2 **Tile Adhesive**  
(360 / 361 / 369)
- 3 **Tiles**

## INTERNAL WALL Paint Finish

- 1 **Block joining**  
(362)
- 2 **Skim Coat (Base Coat)**  
(380)
- 3 **Skim Coat (Top Coat)**  
(388)
- 4 **Painting**





**EXTERNAL WALL**

- 1** Block joining (362)
  - 2** Plastering / Rendering (387 / 386+)
  - 3** Skim Coat (Top Coat) (389)
  - 4** Painting
- 
- 1** Screed (383)  
can be power-floated to bare smooth finishes

# BUILDING A WALL IN 5 EASY STEPS

1



Brick laying

2

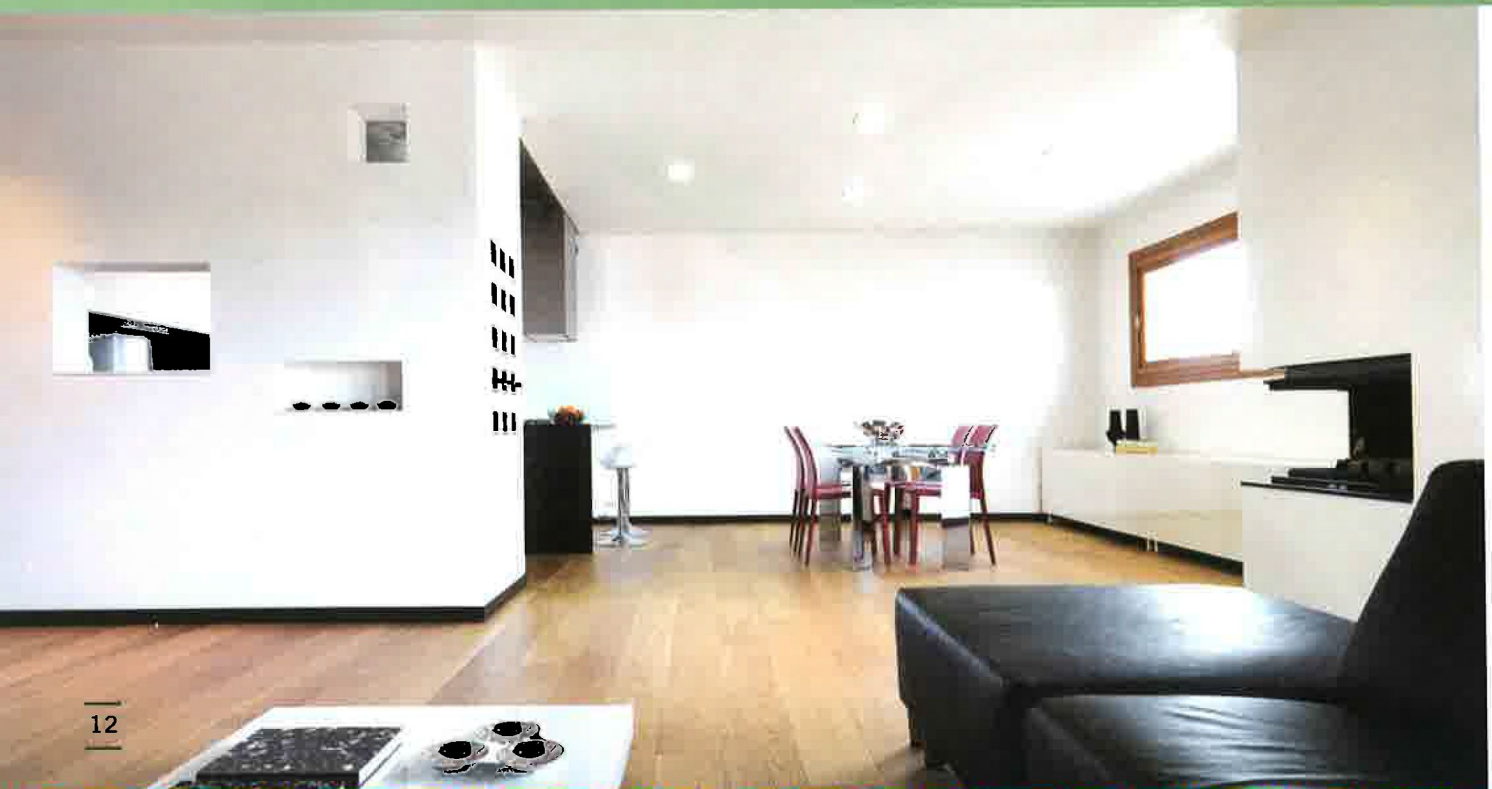


Plastering / Rendering

3



Skim coating  
(Base coat)



4



Skim coating  
(Top coat)

5



Painting

## Technical information

	Recommended Design Thickness			
	Brick laying / Block joining	Plastering / Rendering	Skim coating (Base coat)	Skim coating (Top coat)
<b>Brick wall</b>	10mm	20mm	2-5mm	1-2mm
<b>Block wall</b>	2mm	-	2-5mm	1-2mm
<b>Concrete wall</b>	-	-	2-5mm	1-2mm

Note: Quick design guide for internal wall construction

# BRICK LAYING & BLOCK JOINING

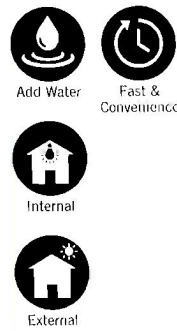


## Our products

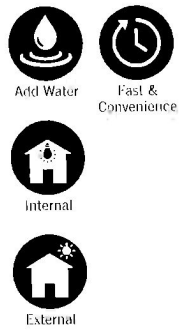
### PHOENIX



### QUICKRENDER-S1 387



### THIN-JOINT MORTAR 362



Application	Clay and cement-sand brick units		Autoclave Aerated Concrete (AAC) / Aerated lightweight concrete (ALC) block units
	👍	👍👍	👍👍
	<b>PHOENIX</b>	<b>QUICKRENDER-S1 387</b>	<b>THIN-JOINT MORTAR 362</b>
<b>Product description</b>	Blended cement for general purpose usage	A high performance polymer-modified versatile mortar, ready to use by adding water	A high performance polymer-modified cementitious adhesive mortar, specially formulated with high adhesion strength and ready to use by just adding water
<b>Benefits</b>	<ul style="list-style-type: none"> <li>Pulverized Fly Ash blended cement ensures high durability</li> <li>Good bonding strength</li> <li>High workability</li> </ul>	<ul style="list-style-type: none"> <li>2 in 1 function for both bricklaying and plastering</li> <li>Premixed with consistent quality, high durability</li> <li>High bonding strength for a strong and aligned wall construction</li> <li>Water and weather resistant</li> <li>Convenient to use</li> </ul>	<ul style="list-style-type: none"> <li>Thin-bed technology promoting a strong and aligned strong wall construction</li> <li>Premixed with consistent quality and high durability</li> <li>Excellent bonding strength</li> <li>Water and weather resistant</li> <li>Convenient to use</li> </ul>

Note: For projects that require Green Building Index (GBI) or QCLASSIC / CONQUAS compliance, kindly consult YTL Drymix technical representative for further consultation

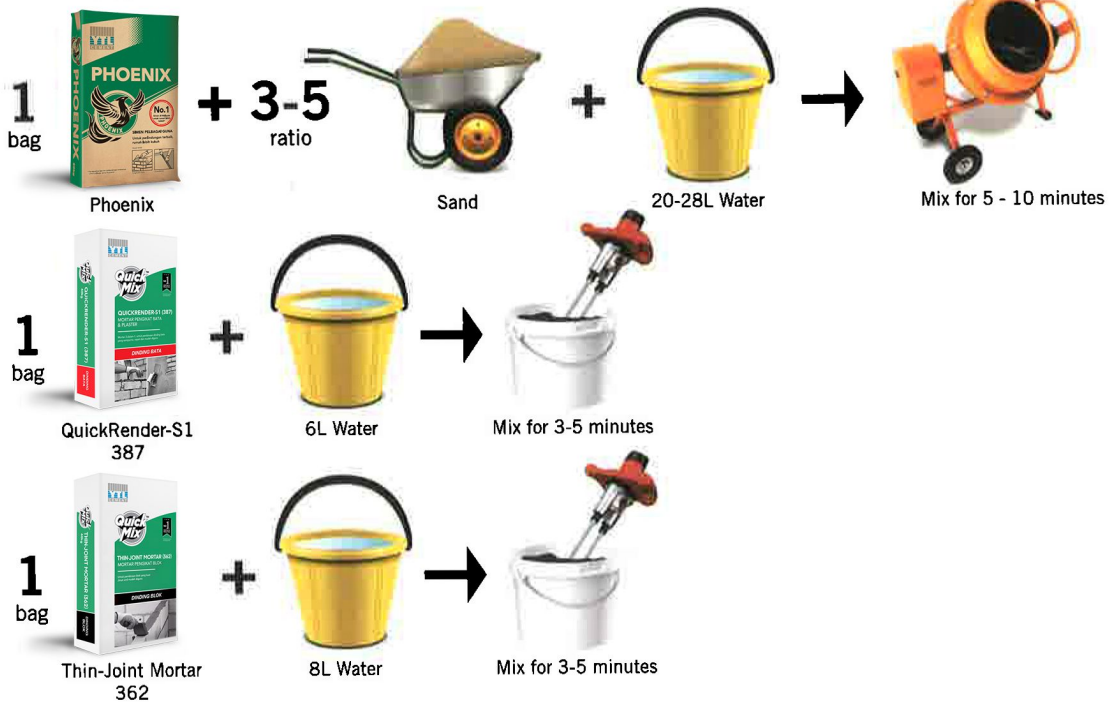
## Technical information

Product name	PHOENIX	QUICKRENDER-S1 387	THIN-JOINT MORTAR 362
Colour	Grey	Grey	Grey
Packaging	50kg	40kg	40kg
Recommended design thickness	10mm	10mm	2mm
Coverage (per bag)	344 bricks or 6.5m <sup>2</sup> wall area*	88 bricks or 1.6m <sup>2</sup> wall area*	175 blocks or 21.3m <sup>2</sup> wall area**

\*Based on 95mm x 220mm x 65mm brick units

\*\* Based on 100mm x 600mm x 200mm block units

## Mixing guide



## Application guide for brick laying



Spread mortar on bricks



Lay bricks and secure with trowel's handle



Remove excessive mortar

## Application guide for block joining



Apply mortar adhesive on block units with notched trowel



Lay block and secure with rubber mallet



Remove excessive adhesive mortar



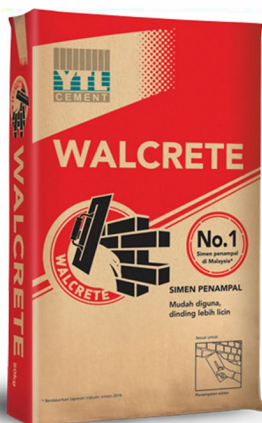
## Additional tips

- For better wall reinforcement, wire mesh is recommended to be used at every 4th course of brick work
- To prevent walls from collapsing, allow mortar to set and harden after laying up to 1.5m before resuming work

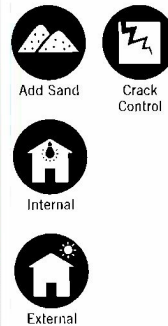
# PLASTERING / RENDERING

## Our products

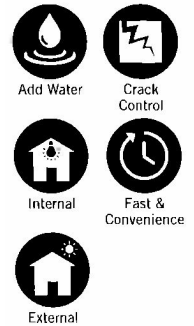
### WALCRETE



### QUICKPLAST 399



### QUICKRENDER-S1 387



Application	Brick Wall		
	👍	👍👍	👍👍👍
	<b>WALCRETE</b>	<b>QUICKPLAST 399</b>	<b>QUICKRENDER 387-S1</b>
<b>Product description</b>	Specially formulated plastering cement to enable strong adhesion on wall	A polymer-modified plastering cement for better workability and improved crack-control performance	A high performance polymer-modified versatile mortar, specially formulated to be ready to use by just adding water
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Specially formulated cement for plastering</li> <li>• Good workability</li> <li>• Good adhesion</li> <li>• No additional additives required</li> </ul>	<ul style="list-style-type: none"> <li>• Good crack control performance with high workability</li> <li>• High adhesion for strong wall construction</li> <li>• High durability, water and weather resistant</li> <li>• No additional additives required</li> </ul>	<ul style="list-style-type: none"> <li>• 2 in 1 function for both bricklaying and plastering</li> <li>• Excellent crack control performance with high workability</li> <li>• High adhesion for strong wall construction</li> <li>• High durability, water and weather resistant</li> <li>• Convenient to use</li> </ul>
<b>Surface Improvement Recommendations</b>	Interior wall surface can be further smoothed with skim coat (base) - Base Grey 380 and skim coat (top) - QuickSkim 388  Exterior wall surface can be further smoothed with hydrophobic skim coat (top) - QuickCoat+ 389		

Note: For projects that require Green Building Index (GBI) or QCLASSIC / CONQUAS compliance, kindly consult YTL Drymix technical representative for further consultation

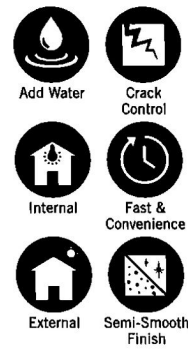




### QUICKRENDER 387



### THIN PLASTER+ 386



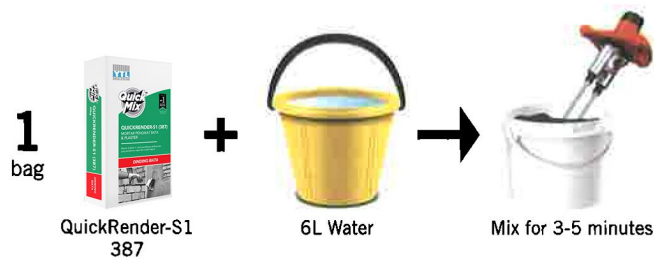
Application	Block Wall and Reinforced Concrete (RC) Wall	
	👍👍👍	👍👍👍👍
	<b>QUICKRENDER 387</b>	<b>THIN PLASTER+ 386</b>
<b>Product description</b>	Polymer-modified cement-sand render with good adhesion performance and textured finish	Polymer-modified cement-sand render with excellent adhesion performance and semi-smooth finish
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Premixed with consistent textured finish, high workability and excellent crack control performance</li> <li>• High adhesion for strong wall construction</li> <li>• High durability, water and weather resistant</li> <li>• Convenient to use</li> </ul>	<ul style="list-style-type: none"> <li>• Premixed with consistent semi-smooth finish quality for high workability and excellent crack control performance</li> <li>• Excellent adhesion for strong wall construction</li> <li>• High durability, water and weather resistant</li> <li>• Highly recommended for QCLASSIC / CONQUAS requirement</li> <li>• Convenient to use</li> </ul>
<b>Surface Improvement Recommendations</b>	<p>Interior wall surface can be further smoothed with skim coat (base) - Base Grey 380 and skim coat (top) - QuickSkim 388</p> <p>Exterior wall surface can be further smoothed with hydrophobic skim coat (top) - QuickCoat+ 389</p>	

# PLASTERING / RENDERING

## Technical information

Product name	WALCRETE	QUICKPLAST 399	QUICKRENDER -S1 387	QUICKRENDER 387	THIN PLASTER+ 386
Colour	Grey	Grey	Grey	Grey	Grey
Packaging	50kg	40kg / 30kg	40kg	40kg	40kg
Recommended design thickness	20mm	20mm	20mm	10mm	10mm
Coverage (per bag)	7.6m <sup>2</sup>	7.6m <sup>2</sup>	1.2m <sup>2</sup>	2.4m <sup>2</sup>	2.4m <sup>2</sup>

## Mixing guide





## Application guide for brick wall plastering / rendering



1 Mark required thickness with level pegs



2 Plaster first layer (10-15mm thickness)



3 Plaster second layer (5-10mm)



4 Level the surface with long wood float

## Application guide for block & RC wall plastering / rendering



1 Render (5-10mm thickness)



2 Level the surface with long wood float



### Additional tips

- For brick wall plaster / render >15mm, multiple application is recommended
- For optimum adhesion performance, successive coats should not be stronger nor thicker than the previous coat

# SKIM COATING

## Our products

### BASE GREY 380



### BASE WHITE 385



Application	Plastered walls, block walls, reinforced concrete walls and ceilings	
	BASE GREY 380	BASE WHITE 385
Product description	Polymer-modified grey-color cementitious skim coat, used as base coat for perfect leveling result	Polymer-modified white-color cementitious skim coat used as base coat for perfect leveling result
Benefits	<ul style="list-style-type: none"> <li>• Premixed with consistent quality, good workability and crack control performance</li> <li>• Good adhesion</li> <li>• Surface improvement before applying skim coat (top coat) for beautiful flat and smooth wall &amp; ceiling construction</li> <li>• Water resistant and high durability</li> <li>• Highly recommended for QCLASSIC/CONQUAS requirements</li> <li>• Convenient to use</li> </ul>	
Surface Improvement Recommendations	The surface can be further smoothed with skim coat (top) QuickSkim 388	The surface can be further smoothed with skim coat (top) Finish White 382

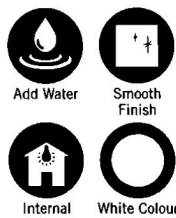
Note: For projects that require Green Building Index (GBI) or QCLASSIC / CONQUAS compliance, kindly consult YTL Drymix technical representative for further consultation



### QUICKSKIM 388



### FINISH WHITE 382



### QUICKCOAT+ 389



Application	Plastered walls, reinforced concrete walls and ceilings		Rendered walls, reinforced concrete walls
	<b>QUICKSKIM 388</b>	<b>FINISH WHITE 382</b>	<b>QUICKCOAT+ 389</b>
<b>Product description</b>	Polymer-modified off-white cementitious skim coat, used as interior top coat for perfect smooth finish	Polymer-modified white-color cementitious skim coat, used as interior top coat for perfect smooth finish	High performance polymer-modified hydrophobic cementitious skim coat, used as exterior top coat for durable and efflorescence protection
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Premixed with consistent quality, good workability and crack control performance</li> <li>• Good adhesion</li> <li>• Non-powdery, promoting good paint adhesion</li> <li>• Water resistant and high durability</li> <li>• Highly recommended for QCLASSIC / CONQUAS requirements</li> <li>• Convenient to use</li> </ul>		<ul style="list-style-type: none"> <li>• Premixed with consistent quality, good workability and crack control performance</li> <li>• Flexible coat with excellent weather resistance</li> <li>• Hydrophobic with excellent water repellent for efflorescence protection performance</li> <li>• Good adhesion</li> <li>• Non-powdery, promoting good paint adhesion</li> <li>• Water resistant and high durability</li> <li>• Highly recommended for QCLASSIC/CONQUAS requirements</li> <li>• Convenient to use</li> </ul>

Note: For projects that require Green Building Index (GBI) or QCLASSIC / CONQUAS compliance, kindly consult YTL Drymix technical representative for further consultation

# SKIM COATING

## Technical information

Product name	BASE GREY 380	BASE WHITE 385	QUICKSKIM 388	FINISH WHITE 382	QUICKCOAT+ 389
Colour	Grey	White	Off-White	White	Grey
Packaging	25kg / 40kg	25kg	25kg	25kg	25kg
Recommended design thickness	2mm	2mm	1mm	1mm	3mm
Coverage (per bag)	8.75m <sup>2</sup> / 14m <sup>2</sup>	8.75m <sup>2</sup>	20m <sup>2</sup>	20m <sup>2</sup>	5.83m <sup>2</sup>

## Mixing guide





## Application guide for internal wall skim-coating

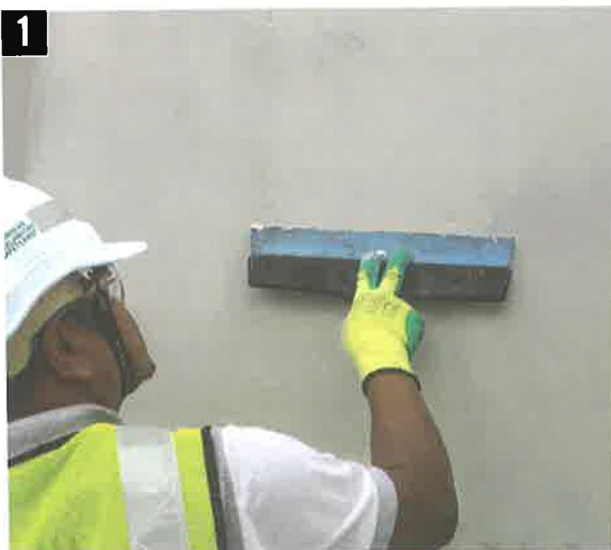


Level surface with base coat (2-5mm)



Smoothen surface with top coat (1-2mm)

## Application guide for external wall skim-coating



Level and smoothen surface with QuickCoat+ 389



Surface can be sponged to obtain consistent semi-smooth finishes

# REPAIR SOLUTIONS



## Our products

### LIQUIDREPAIR 1000



### LIQUIDRENDER 2000(F)



### LIQUIDRENDER 2000(C)



Application	Painted / unpainted wall surface		
	LIQUIDREPAIR 1000	LIQUIDRENDER 2000(F)	LIQUIDRENDER 2000(C)
Product description	High performance polymer paste, that is ready to use for reparation of fine cracks (up to 1mm in width) on interior and exterior cement rendered surface	High performance hydrophobic flexible coating with marble-like white smooth finishes, for crack and mould protection. It also can be used for reparation of hairline cracks (<0.1mm in width) on interior and exterior cement rendered surface or painted surface	High performance hydrophobic, flexible and tough coating with sandstone texture finishes, for crack and mould protection. It also can be used for reparation of hairline cracks (<0.1mm in width) on interior and exterior cement rendered surface or painted surface
Benefits	<ul style="list-style-type: none"> <li>• Easy and ready to use from tub</li> <li>• Excellent flexibility for long-term repairing durability</li> <li>• Water resistant to prevent water penetration via cracks</li> <li>• Compatible and can be used directly on emulsion painted surface</li> <li>• Fast film formation, instant repair and can be painted on immediately</li> </ul>	<ul style="list-style-type: none"> <li>• Easy and ready to use from tub</li> <li>• Excellent flexibility for hairline cracks protection and reparation</li> <li>• Water resistant to prevent water penetration and protect walls from mould</li> <li>• Compatible and can be used directly on emulsion painted surface</li> <li>• Fast film formation with short curing time</li> <li>• No powder formation on drying due to superior binding</li> </ul>	



## Technical information

Product name	LIQUIDREPAIR 1000	LIQUIDRENDER 2000(F)	LIQUIDRENDER 2000(C)
Colour	White	Marble White	Sandstone-White
Packaging	5kg	28kg	28kg
Recommended design thickness	-	0.5mm DFT	1mm DFT
Coverage	-	34m <sup>2</sup> /tub	16.5m <sup>2</sup> /tub

Note: DFT (Dry Film Thickness)

### Application guide for crack repair



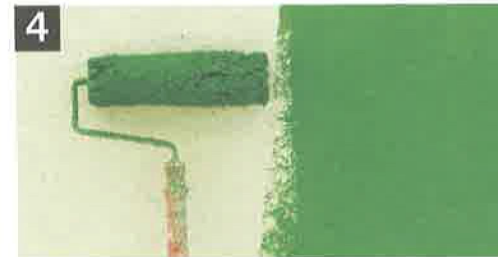
1 Chip away sides of crack to form channel and provide keying surfaces



2 Fill the formed channel with LiquidRepair 1000



3 Smoothen the surface with sandpaper after filler has set



4 Apply paint to get a desired finishing wall

### Application guide for internal wall crack & mould protection



1 Level surface with base coat (2-5mm)



2 Smoothen surface with LiquidRender 2000(F) (0.5mm) to get a marble-white smooth finishing wall

### Application guide for external wall crack & mould protection



1 Level surface with base coat (2-5mm)



2 Smoothen surface with LiquidRender 2000(C) (1mm) to get a sandstone-white finishing wall



3 Surface can be sponged to get consistent semi-smooth finish wall

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# BUILDING TILED FLOOR IN 3 EASY STEPS

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1



Set out level pegs/indicator at regular interval

2



Screeding



3



Tiling

## **Technical information**

	Recommended Design Thickness	
	Screed	Tile adhesive
<b>Floor</b>	25-40mm	2.5-6mm

# SCREEDING

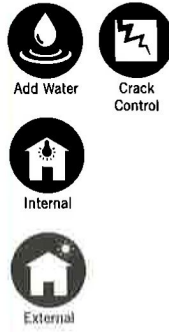


## Our products

### PHOENIX



### FLOOR SCREED 383



Application	Floor screed	
	👍	👍 👍
	<b>PHOENIX</b>	<b>FLOOR SCREED 383</b>
<b>Product description</b>	Blended cement for general purpose usage	Specially formulated for screeding onto concrete slab Semi-dry screed can be power-floated to obtain bare smooth finish
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• PFA blended cement ensures high durability</li> <li>• Good bonding strength</li> <li>• High workability</li> </ul>	<ul style="list-style-type: none"> <li>• Premixed with consistent cement / sand ratio for perfect screeding</li> <li>• Good workability</li> <li>• Good weather resistance and high durability</li> <li>• Minimize shrinkage cracks</li> </ul>

## Technical information

Product name	PHOENIX	FLOOD SCREED 383
Colour	Grey	Grey
Packaging	50kg	40kg
Application thickness	25-40mm	25-40mm
Coverage (per bag) (at 25mm thickness)	5.6m <sup>2</sup>	1.0m <sup>2</sup>

## Mixing guide



## Application guide



1 Set out level pegs/indicator at regular interval



2 Apply Floor Screed 383 and level with wood trowel



3 Further smoothing with steel trowel / power-float



4 Allow screed to be properly cured



### Additional tips

- Do not spread cement on screed surface as it will lead to shrinkage cracks
- Screed should not contain too much water to avoid unsightly blistering in the floor surface

# TILING SOLUTIONS FOR WALL & FLOOR



## Our products

### READYFIX 360



Add water



### TILE ADHESIVE 361



Add water



### SUPERBOND 369



Add water



Tiles on tiles

Application	Tile Adhesive		
	👍	👍 👍	👍 👍 👍
	<b>READYFIX 360</b>	<b>TILE ADHESIVE 361</b>	<b>SUPERBOND 369</b>
<b>Product description</b>	<p>Polymer modified cementitious adhesive for installation of small ceramic tiles</p> <p>Suitable for small ceramic tiles (300mm x 300mm)</p>	<p>Polymer modified cementitious adhesive with high bonding strength, slip resistant and extended open time</p> <p>Suitable for small to medium tiles, ceramic, homogenous, porcelain, mosaic (≤600mm x 600mm)</p>	<p>Polymer modified cementitious adhesive with high bonding strength and flexibility, slip resistant and extended open time</p> <p>Suitable for medium to large tiles, ceramic, homogenous, porcelain, mosaic (≥600mm x 600mm)</p>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>• Premixed with consistent cement sand ratio</li> <li>• Good bonding strength</li> <li>• Good weather resistance and high durability</li> <li>• Compliance to EN12004 : Class C1</li> <li>• Convenient to use</li> </ul>	<ul style="list-style-type: none"> <li>• Premixed with consistent cement sand ratio</li> <li>• High bonding strength</li> <li>• Good weather resistance and high durability</li> <li>• Compliance to EN12004 : Class C2TE</li> <li>• Convenient to use</li> </ul>	<ul style="list-style-type: none"> <li>• Premixed with consistent cement sand ratio</li> <li>• High bonding strength</li> <li>• Good weather resistance and excellent durability</li> <li>• Compliance to EN12004 : Class C2TE; EN12002 : Class S1</li> <li>• For critical tile application of large format tiles, tile-on-tile, or tiling on deformable substrate subjected to vibration e.g. high-rise area, drywall, etc. or swimming pool area</li> <li>• Convenient to use</li> </ul>

## Technical information

Product name	READYFIX 360	TILE ADHESIVE 361	SUPERBOND 369
Colour	Grey	Grey	Grey
Packaging	25kg	25kg	25kg
Classification (EN12004 / EN12002)	C1	C2TE	C2TE/S1
Tile Size	300mm x 300mm	≤600mm x 600mm	≥600mm x 600mm
Application thickness	2-4mm	2.5-6mm	2.5-6mm
Coverage per bag (for 2.5mm thickness)	6m <sup>2</sup>	7m <sup>2</sup>	7m <sup>2</sup>

## Mixing guide



## Application guide



1 Apply adhesive uniformly with appropriate notched trowel onto the wall / floor substrate



2 For tiles size ≥300mm x 300mm, apply a thin layer at the back of tiles



3 Lay tile onto the wall / floor substrate with light adjustment



4 Secure the tile with rubber mallet



### Additional tips

Guide in choosing the right size notched trowel for various tile size (Reference : AS3958)

- (Small size) 300mm x 300mm : 8mm notched trowel
- (Medium size) 300mm x 600mm : 12mm notched trowel with buttering at back of tiles
- (Large size) 600mm x 600mm and above : 12mm notched trowel with buttering at the back of tiles

