



Integral
Waterproofing
Compound

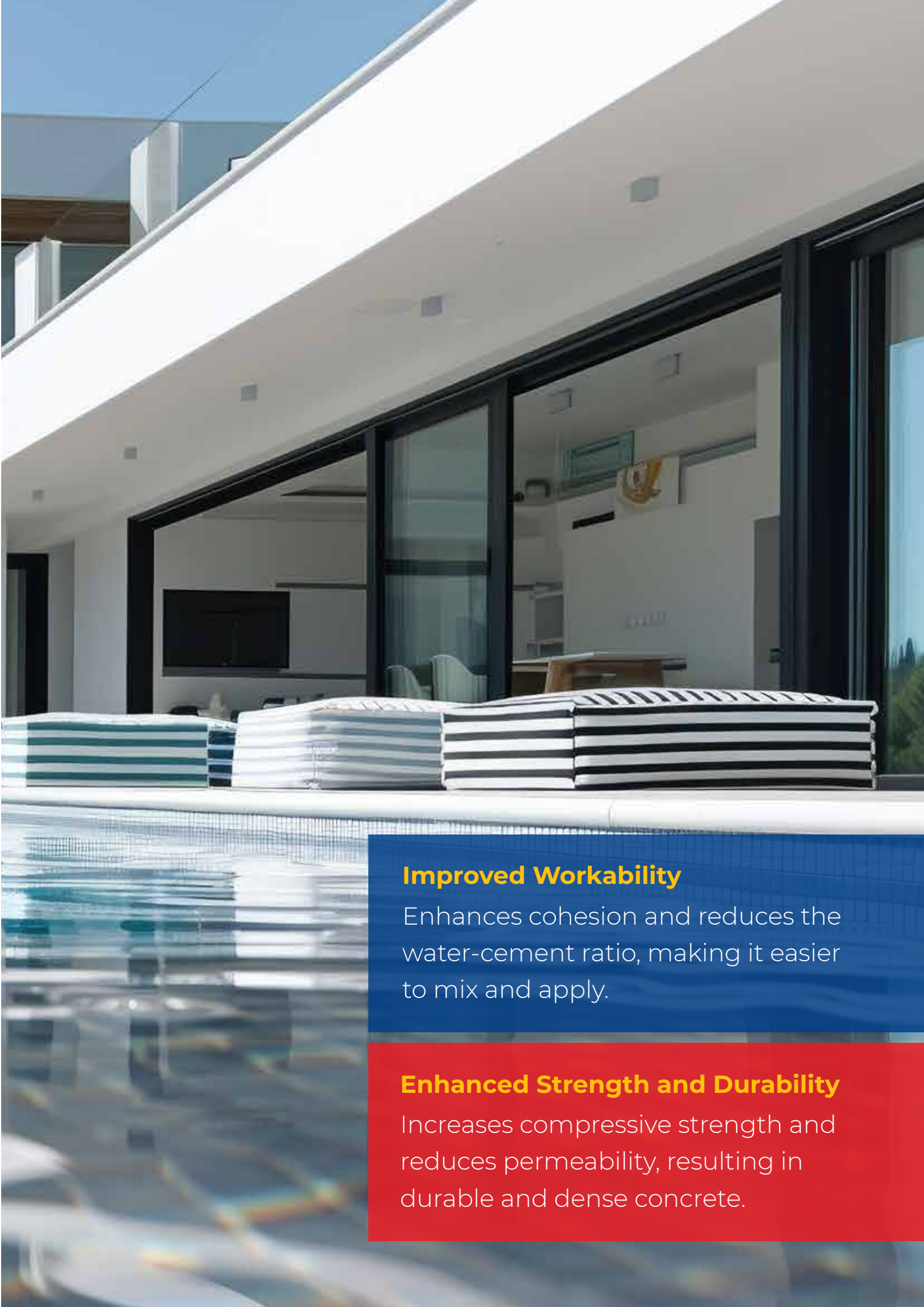
***Protects Concrete !
Increases Strength !***

The background image shows a modern, two-story house with large glass windows and a swimming pool. A yellow rubber duck is floating in the pool. The house has a white exterior and a wooden balcony. The pool is in the foreground, and the house is in the background.

RAMCOTM **SUPER SHIELD**

INTEGRAL WATERPROOFING COMPOUND

This integral waterproofing compound is manufactured using advanced polymer technology. It effectively optimizes the water cement ratio, enhancing cohesion and workability. This dual action not only diminishes porosity during the hardening process but also reduces water permeability, thus mitigating steel corrosion risks and enhancing durability.



Improved Workability

Enhances cohesion and reduces the water-cement ratio, making it easier to mix and apply.

Enhanced Strength and Durability

Increases compressive strength and reduces permeability, resulting in durable and dense concrete.

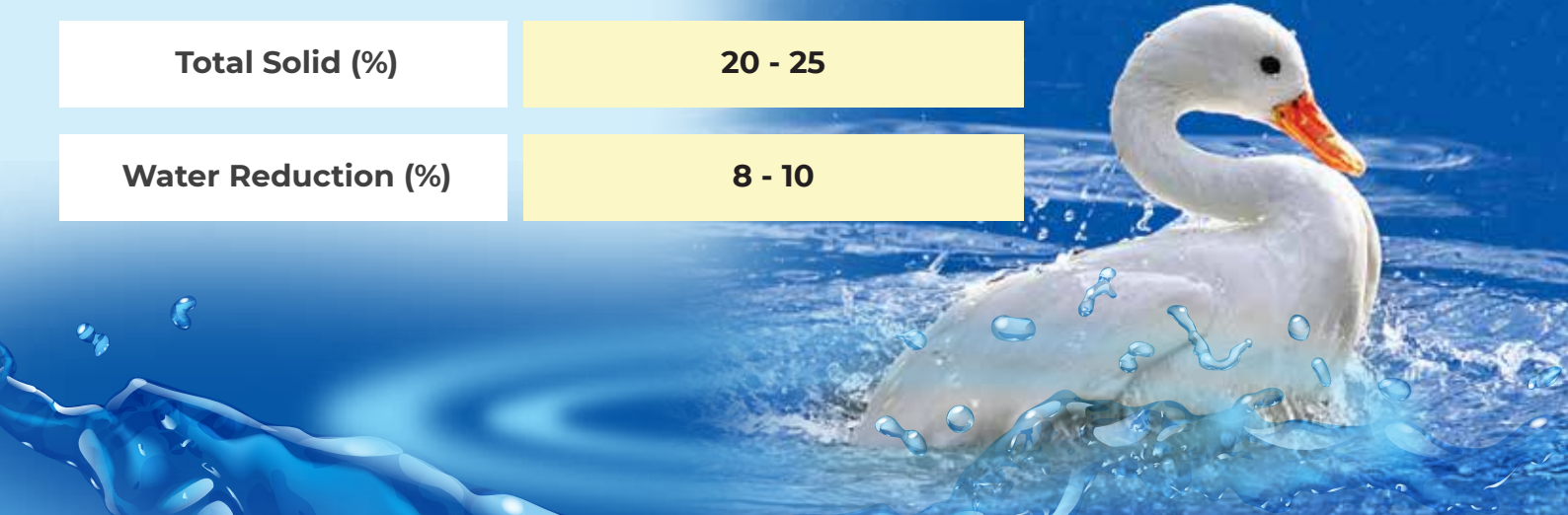
Application

Foundations | Columns | Beams | Roof Slabs

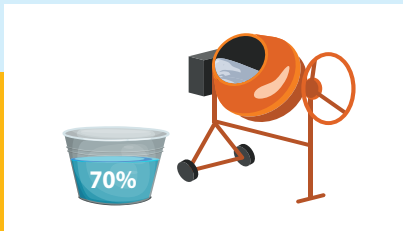


Ramco Super Shield Physical Parameters

| Parameters | Value |
|---------------------|-------------|
| Colour | Pale Yellow |
| pH | 5 - 6 |
| Specific Gravity | 1 to 1.1 |
| Total Solid (%) | 20 - 25 |
| Water Reduction (%) | 8 - 10 |



Instructions for Use



Step 1 :

Mix cement, sand & aggregates, as per the mix design. Add only about 70% of required water and mix for 2 - 3 minutes.



Step 2 :

Add Ramco Super Shield into the concrete mix and blend for 2 - 3 minutes. Use 200 ml of Ramco Super Shield for every 50 kg of cement in the mix.



Step 3 :

After adding Ramco Super Shield, further water can be added until mix consistency is obtained.

Precautions: Prior to use, shake the bottle well to ensure thorough mixing of the contents. Do not add Ramco Super Shield directly to cement. Over dose of Ramco Super Shield may result in incorrect setting of concrete, whereas under dosage does not give the desired integral waterproofing.

Follow good construction practices, including curing.



Shelf Life

Best before 24 months from date of packing if stored properly in undamaged, unopened, original sealed packaging.



Storing Conditions

Store in dry conditions at temperatures between +10°C and +45°C. Protect from direct sunlight and frost



Health and Safety

It is advisable to wear hand gloves, safety shoes and safety goggles while using Ramco Super Shield and handling the product. In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

Right Products **for** Right Applications



*For all concrete-making cements excluding Ramco Supercrete - not required hence do not add it.

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RAMCO
CEMENT