



PRODUCT NAME :

ISSUE DATE: AUGUST 2001

- **DURAM 195**

PRODUCT DESCRIPTION:

DURAM 195 IS A HIGH PERFORMANCE, ELASTOMERIC, POLYURETHANE BASED LIQUID WATERPROOFING SYSTEM PROVIDING EXCEPTIONALLY HIGH TENSILE STRENGTH AND ELASTICITY WHEN CURED. IT IS A SINGLE PACK MOISTURE CURING COMPOUND REQUIRING NO PRIMING ON DRY SUBSTRATES, IS SELF-LEVELLING AND CURES TO FORM A TOUGH, FLEXIBLE, SEAMLESS MEMBRANE WITH EXCELLENT RESISTANCE TO WEATHERING. THE EXCEPTIONAL ELASTICITY COUPLED WITH IMPRESSIVE TENSILE STRENGTH AND ADHESION ENABLE **DURAM 195** TO WITHSTAND ABNORMAL STRUCTURAL MOVEMENT, HYDROSTATIC PRESSURE AND TEMPERATURE FLUCTUATION.

DURAM 195 DOES NOT DETERIORATE DURING PERMANENT IMMERSION IN FRESH OR SALT WATER AND IS CHEMICALLY RESISTANT TO COMMON DILUTE ACIDS, ALKALIS AND SOLVENTS.

FIELDS OF APPLICATION:

- GOOD ADHESION ON MOST COMMON BUILDING MATERIALS – CONCRETE, MASONRY BRICKS, FIBREGLASS, WOOD, METAL AND CERTAIN PLASTICS WHEN LIGHTLY ABRADED WITH MEDIUM SANDPAPER.
- WATER PROOFING AND PROTECTION FROM CORROSION AND SURFACE DEGRADATION
- PREMIUM SEALER FOR DAMS
- FLAT ROOF AND BALCONY WATERPROOFING
- WATERPROOFING OF SHOWER WALLS AND TRAYS
- BELOW GRADE CONSTRUCTION
- COATING OF STRUCTURAL STEEL
- SEAMLESS BOX GUTTER LINER AND WATERPROOFER

TECHNICAL DATA:

SOLID CONTENT: 88%

VISCOSITY: 10000±1000cps

SPECIFIC GRAVITY: 1.10 APPROXIMATELY

FLASHPOINT: > 44°C

SHORE A HARDNESS: UNEXPOSED 78
EXPOSED 88

WATER ABSORPTION: 1.5

WATER VAPOUR TRANSMISSION: 33g/m², 24HOURS

TENSILE STRENGTH: UNEXPOSED 1.95Mpa
EXPOSED 2.52Mpa

ELONGATION: EXPOSED, UP TO 450%

ADHESION-IN-PEEL: FIBRE REINFORCED CEMENT 30N

WEATHERING: AFTER EXPOSURE TO A MERCURY LAMP FOR 5000 HOURS, EQUIVALENT TO 10 YEARS EXPOSURE – NO SIGNIFICANT FAILURE

SERVICE TEMPERATURE: -44°C TO 120°C

HYDROSTATIC PRESSURE: > THAN 70kpa

CATALYST/ HARDENER - THINNER:

ONE PACK PRODUCT

THINNER: THINNING NOT RECOMMENDED.

SUBSTRATE SURFACE PREPARATION:

SURFACE MUST BE DRY, CLEAN AND FREE OF OIL, GREASE, LOOSE MATTER AND DUST. DAMAGE TO THE SUBSTRATE SHOULD BE REPAIRED AND RETURNED TO A SOUND CONDITION BEFORE COATING. A HIGH QUALITY JOINT SEALANT SHOULD BE APPLIED TO EXPANSION JOINTS AND CRACKS EXCEEDING 1.5mm. VERTICAL CONCRETE SURFACES WITH AIRHOLES SHOULD BE BAGGED.

APPLICATION EQUIPMENT:

BRUSH, ROLLER, SOFT BROOM OR AIRLESS SPRAY GUN.

APPLICATION/SPREADING RATE:

APPLY TWO COATS OF **DURAM 195** ALLOWING 24 HOURS IN BETWEEN COATS. SPREADING RATE IS 1.5 LITRES PER m² DEPENDING ON TYPE OR POROSITY OF SUBSTRATE, 0.75 LITRES PER m² APPLIED IN TWO COATS.

WHERE MOVEMENT OF THE SUBSTRATE IS EXPECTED E.G. STRUCTURAL CORNERS, AN OPEN WEAVE FABRIC SUCH AS DURAMESH SHOULD BE EMBEDDED INTO THE FIRST WET COAT.

DAMP SURFACES: DAMP SURFACES (NOT WET) MAY BE COATED WITH **DURAM 195** AFTER PRIMING WITH DURAPRIME

EXPANSION JOINTS: AFTER SEALING WITH A JOINT SEALANT, A POLYESTER SEPARATION TAPE OR SILICON RELEASE TAPE OF APPROXIMATELY 80mm SHOULD BE LAID OVER THE JOINT BEFORE APPLICATION OF **DURAM 195**.

CORNERS AND OPENINGS: APPLY A FIRST COAT TO ALL CORNERS AND AROUND PENETRATIONS. WHILE STILL WET, EMBED A REINFORCING MEMBRANE.

DRYING/CURING:

- 16 TO 24 HOURS, AIR DRY
- OVERCOATING : 24 HOURS

CLEANING OF EQUIPMENT:

CLEAN ALL EQUIPMENT IMMEDIATELY AFTER USE WITH KARNAMEL THINNER.

PRECAUTIONS:

DURAM 195 CONTAIN VOLATILE SOLVENTS. USE ONLY IN WELL-VENTILATED AREAS.

AVOID SKIN AND EYE CONTACT, INHALATION OF SPRAY FUMES. WEAR APPROPRIATE PROTECTIVE EQUIPMENT. **DURAM 195** IS DIFFICULT TO REMOVE WHEN CURED.

DURAM 195 SHOULD NOT BE USED IN FISHPONDS OR FOR POTABLE WATER.

DURAM 195 IS EXTREMELY SENSITIVE TO MOISTURE. STORE IN A DRY AREA. USE OPENED CANS IMMEDIATELY AND FULLY AS THE PRODUCT WILL REACT WITH MOISTURE.

PACK SIZES: 5, 20 LITRES.

These recommendations are meant as a guide, no guarantee is implied since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

This data sheet supersedes those previously issued and may be changed without prior notice.

Distributed by Mauvilac Industries Ltd,

Motorway M2, Pailles – Republic of Mauritius.

Tel: (230) 212 5318/19/20

Fax: (230) 212 5315