



Bureau of Philippine Standards

REROLLED STEEL BARS

DEFORMED STEEL BARS

PORTLAND CEMENT

BLENDED HYDRAULIC CEMENT

DAO 18-08, Series of 2018

Technical Regulation for Steel Products

DAO 17-06, Series of 2017

Technical Regulation for Cement Products

For safety, traceability and accountability purposes, only steel and cement products sourced from manufacturing plant(s) holding a valid PS Quality and/or Safety Certification Mark License(s) shall be permitted to be distributed, sold and used in the Philippines.

The Philippine Standard (PS) Quality and/or Safety Mark

4.1.1 Local Companies holding a valid PS License

4.1.1.1 Annual system and product audit at the factory; and

4.1.1.2 Regular product audit at the warehouse/market

4.1.2 Foreign companies holding a valid PS License

4.1.2.1 Annual system and product audit at the factory; and

4.1.2.2 Regular product audit per shipment

PS License Application Process

The application shall be site-specific, brand/s-specific, and local office/agent-specific.

For foreign manufacturers, only one local importer per license shall be allowed.

A separate PS application shall be required for all bagging facilities located at site/address other than the specific address indicated in the PS License.

PS License Application Process

If the applicant is a foreign-based manufacturer, the application shall be filed by its representative office/agency duly registered in accordance with Philippine laws.

The PS License shall be in full force and effect for a period of three (3) years, subject to the surveillance audits prescribed. License can be suspended, withdrawn or cancelled for a cause.

Statement of Confirmation (SOC)

To ensure that the product was sourced from a manufacturer holding a valid PS License and consistently conforms to the requirements of the standard, the importer shall apply for SOC on a **per product, per shipment, per Bill of Lading basis**.

Issuances on Steel Products:

DAO 18-08, Series of 2018

Technical Regulation for Steel Products

Supplemental Guidelines of DAO 18-08, Series of 2018

- Memorandum Circular (MC) No. 19-04 Series of 2019
- Memorandum Circular (MC) No. 19-09 Series of 2019
- Memorandum Circular (MC) No. 20-48 Series of 2020
- Memorandum Circular (MC) No. 21-07 Series of 2021
- Memorandum Circular (MC) No. 21-1744, Series of 2021

Memorandum Circular (MC) No. 19-04, Series of 2019

- Additional transitory provisions for the implementation of DAO 18-08, Series of 2018
 - Mandatory implementation of new embossed markings extended until **05 September 2019**
 - Market monitoring and enforcement shall commence on **06 September 2020 (12 months after extension period)**

Memorandum Circular (MC) No. 19-09, Series of 2019

- Provision of simplified deformed steel bar markings
- Additional sampling provisions for steel products
- Additional transitory provisions for the implementation of DAO 18-08, Series of 2018
 - Market monitoring and enforcement shall continue on 06 September 2020 **but no penalties shall be imposed on retailers during the first offense**
 - Regular penalties shall be imposed for second offense onwards whether found before or after 06 September 2020

Memorandum Circular (MC) No. 20-48, Series of 2020


- Additional transitory provisions for the implementation of DAO 18-08, Series of 2018 due to COVID-19 pandemic
 - All local/foreign manufacturers and importers including distributors and hardware stores shall utilize remaining inventories bearing the old markings until **30 June 2021**.
 - Market monitoring and enforcement shall commence on **01 July 2021**

Memorandum Circular (MC) No. 21-07, Series of 2021

- Updating of reference standard for deformed steel bars and future editions of steel products (From PNS 49:2002 to **PNS 49:2020**)
- Provision of deformed steel bar markings
- Market monitoring and enforcement for steel products related to MC 21-07 (Shall commence on **01 December 2021**)

Memorandum Circular (MC) No. 21-1744, Series of 2021

- All steel bars covered by DAO 18-08, Series of 2018 shall utilize and/or dispose remaining inventories bearing the old markings until **31 December 2022**
- Market monitoring and enforcement shall commence on **01 January 2023** to **ensure compliance to MC 21-07**, Series of 2021

Product	Image	Specific product coverage
Rerolled Steel bars PNS 211:2002		Grade 170 – 6mm & 7mm Grade 230 – 8mm

Rule 10. Marking Requirements

- BPS pre-qualified logo clearly embossed in each rerolled steel bar at approximately one (1) meter interval.





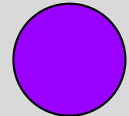
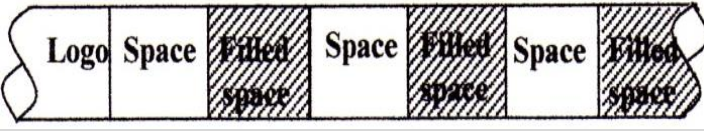


Logo

**Filled Space or
Arabic Number**





➤ Color codes shall be painted on the surface of both ends of each bar as prescribed by PNS 211 as reference.


Bar size	Color	Marking in lieu of Arabic number size
		Clause 6.1.3 requirement
6 mm	Blue 	<p><u>One filled space</u> between deformations placed beside the logo.</p> 
7 mm	Orange 	<p><u>Two filled spaces</u> between deformations placed beside the logo.</p> 
8 mm	Violet 	<p><u>Three filled spaces</u> between deformations placed beside the logo.</p> 

Tags securely and properly attached to each bundle containing all the following information stamped or printed in a manner that is legible and not easily erasable:

- Correct and registered trade name or brand name
- Duly registered trademark
- Duly registered Business Name and address of importer and manufacturer (if importer) or Duly registered Business Name and address of manufacturer (if locally manufactured)
- Country of Origin
- Length
- Diameter
- No. of pieces
- Lot/Batch No.
- PS License No. or SOC number

Sample Tag

	UNICORN METAL CORPORATION PEARL ISLAND INDUSTRIAL COMPOUND, PHASE II PUNTURIN, VALENZUELA, METRO MANILA, PHILIPPINES, 1447	 CERTIFIED Product Quality
PNS 211: REROLLED STEEL BARS		
COUNTRY:	PHILIPPINES	
LENGTH:	6 METERS	
DIAMETER:	7 MM	
WEIGHT/PIECE:	1.9 KG	
NO. OF PIECES:	1000	
DATE MANUFACTURED:	October 2, 2019	
CODE:	WR-18-19	
PS LICENSE NO.:	Q-0952	

Product	Image	Specific product coverage
<p>Deformed Steel Bars</p> <p>PNS 49:2020</p>		<p>Grade:</p> <p>Regular – 230, 280, 420, 520, 550</p> <p>Weldable – 280, 420, 550</p> <p>Diameter size: 10mm to 50mm <i>(10mm, 12mm, 16mm, 20mm, 25mm, 28mm, 32mm, 36mm, 40mm, and 50mm)</i></p>

Rule 10. Marking Requirements

➤ BPS pre-qualified logo (**alphanumeric logo as per MC 21-07**), bar size, grade, ductility class (if applicable) shall be clearly embossed in each deformed steel bar at approximately one (1) meter interval**.



Alphanumeric Logo

- letter/s or combination of letter/s
and Arabic numerals

Size

Grade

Weldable

** - To include "W" for Weldable Class

Steel grade shall be embossed as follows:

Grade	Prescribed Marking
230	230 or 2
280	280 or 3
420	420 or 4
520	520 or 5
550	550 or 6

Ductility class embossed on the steel bar shall be as follows:

	MC 21-07
Type	Acceptable Markings
Weldable	Embossed "W"
Regular	No "W"

*No painting requirements on the ends of deformed steel bars.

The symbol “MA” or “A” for Micro Alloy or “QT” or “Q” or “T” for Quench and Tempered steel bars shall be embossed on each bar at approximately one (1) meter interval. *Only applicable to Grade 420, 520 and 550 only**

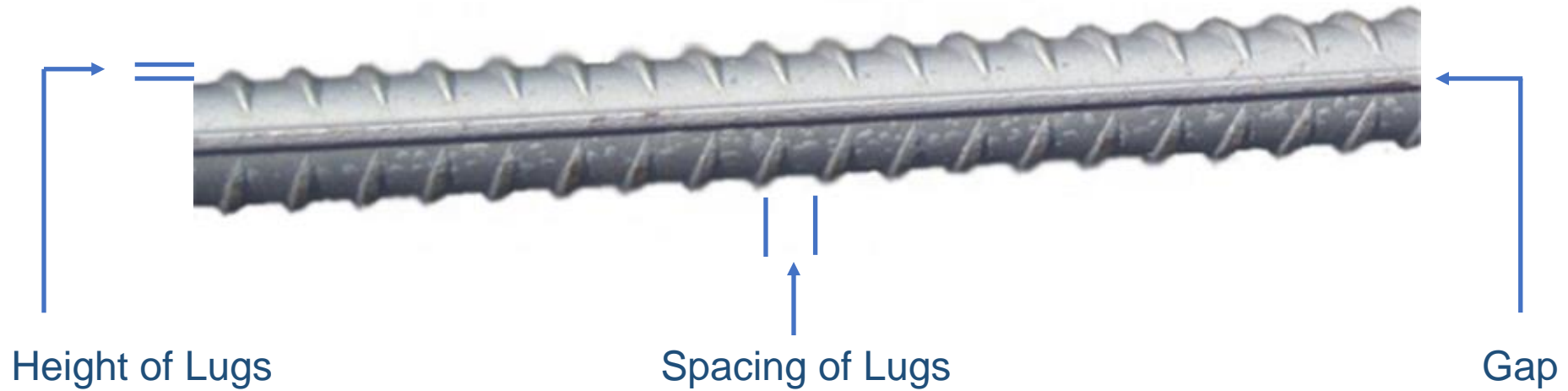
Tags securely and properly attached to each bundle containing all the following information stamped or printed in a manner that is legible and not easily erasable:

- Correct and registered trade name or brand name
- Duly registered trademark
- Duly registered Business Name and address of importer and manufacturer (if importer) or Duly registered Business Name and address of manufacturer (if locally manufactured)
- Country of Origin
- Grade, length
- Micro Alloy or Quench and Tempered, whichever is applicable
- Diameter
- No. of pieces
- Lot/Batch No.
- PS License No. or SOC number

Product Testing

Full Product Testing	Critical Test
Dimension and Mass Variation	Mass Variation
Deformation Measurement <i>(Summation of Gaps, Average Spacing of Lugs, Height of Lugs)</i>	Mechanical Test (TS, YS, EL)
Mechanical Test (TS, YS, EL)	Chemical Analysis (for Deformed Steel Bars)
Bend Test	
Chemical Analysis (for Deformed Steel Bars)	

DEFORMATIONS



DEFORMED STEEL BARS

Nominal diameter, mm	Unit mass, kg/m
10	0.617
12	0.888
16	1.578
20	2.466
25	3.853
28	4.834
32	6.313
36	7.990
40	9.865
50	15.413

➤ **Clause 6.2.2** The standard length of steel bars shall be 6.0, 7.5, 9.0, 10.5 and 12.0 meters

➤ **Clause 6.2.4** The tolerance on the mass of one length of steel bar shall be ± 6 percent

$$\frac{\text{Actual mass} - \text{Standard mass}}{\text{Standard mass}} \times 100$$

Clause 6.2.3 of PNS 49:2020

The tolerance for length of steel bars shall be + 60 mm.

REROLLED STEEL BARS

Nominal diameter, mm	Unit mass, kg/m
6	0.222
7	0.302
8	0.394

Clause 4.5.1

The length of the individual steel bar shall be 6 meters and the tolerance shall be ± 40 mm.

Clause 4.5.2

The mass tolerance of one piece of steel bar shall be ± 10 percent.

% VARIATION IN MASS

$$\text{Actual mass} = \frac{\text{Actual weight}}{\text{Actual length}}$$

$$\% \text{ Variation in mass} = \frac{\text{Actual mass} - \text{Standard mass}}{\text{Standard mass}}$$

PORTLAND CEMENT – PNS 07:2018

BLENDED HYDRAULIC CEMENT – PNS 63:2019

Issuances on Cement Products

DAO 17-06, Series of 2017

Technical Regulation for Cement Products

Supplemental Guidelines of DAO 17-06, Series of 2017

- Memorandum Circular (MC) No. 18-09, Series of 2018
- Memorandum Circular (MC) No. 19-11 Series of 2019
- Memorandum Circular (MC) No. 20-42 Series of 2020
- Memorandum Circular (MC) No. 20-56 Series of 2020

Memorandum Circular (MC) No. 18-09, Series of 2018

- Provided the Degree of Non-Conformity or Non-Compliance on the matters of Show Cause Orders for cement products.

Memorandum Circular (MC) No. 19-11, Series of 2019

- Updating of reference standards (**PNS 07:2018 Amd 1:2019** and **PNS 63:2019**) and guidelines for future editions of the standards
- Supplemental sampling requirements
- Safeguard duty documentary requirement for cement importations
- Date of market monitoring and enforcement for cement products

Memorandum Circular (MC) No. 20-42, Series of 2020

- Provided extension for the disposal and utilization of remaining cement inventories due to COVID-19 pandemic
- Provided new date for market monitoring and enforcement for cement products

Memorandum Circular (MC) No. 20-56, Series of 2020

- Additional requirements for bagging facilities in the Philippines
- Marking requirements for tonner/jumbo bags
- Market monitoring and enforcement for cement products from bagging facilities

Product Testing

Full Product Testing:

- Physical and Chemical tests prescribed by the relevant Philippine National Standard

Critical Testing:

- Seven (7) Days Compressive Strength
- Chemical Composition Requirements

SAMPLING REQUIREMENTS

Three (3) sets of twenty (20) kg or three (3) bags of forty (40) kg per brand, per type.

Required Markings

Portland Cement

1. Name and address of manufacturer;
2. Name and address of importer, if applicable;
3. The words “Bagged by” followed by the name and address of the bagging facility, if applicable;
4. Type of Portland Cement;
5. Trade name/brand name;
6. Trademark of the manufacturer;
7. Net mass of cement in kg or MT;

Required Markings

Portland Cement

8. Country of manufacturer;
9. PS Mark with License Number;
10. Batch identification number and manufacturing date;
11. *Red color band as prescribed in PNS 07;*



BPS
CERTIFIED
Product Quality
License No.



BARAKO

TAPAT SA TIBAY AT TIWALA

Batch Identification No.:
Manufacturing Date:

IMPORTED BY:
**COHACO MERCHANDISING
& DEV. CORPORATION**
2246 DON CHINO ROCES AVE., MAKATI CITY

NET WEIGHT
40 kg

NET WEIGHT
40 kg

NET WEIGHT
40 kg

PORTLAND CEMENT TYPE I

NET WEIGHT
40 kg

NET WEIGHT
40 kg

**SPECIALLY PACKED FOR PHILIPPINES
PRODUCT OF VIETNAM**



BARAKO
TAPAT SA TIBAY AT TIWALA



BARAKO
TAPAT SA TIBAY AT TIWALA



BARAKO
TAPAT SA TIBAY AT TIWALA



BARAKO

TAPAT SA TIBAY AT TIWALA




















PORTLAND CEMENT

BARAKO Portland Cement Type I is suitable to be used in building houses, bridges, buildings, roads, runways and others.

MATERIAL USAGE INSTRUCTION:

1. Use clean non-muddy sand
2. Use clean Water
3. Mix and stir well

MIXTURE COMPOSITIONS

APPLICATION	CEMENT	SAND	STONE	WATER
CONCRETE	1 PART 	2 PART  	3 PART   	SUFFICIENTLY
PATCHING/ PLASTERING	1 PART 	7 PART       	-	SUFFICIENTLY
WALL COATING	1 PART 	-	-	SUFFICIENTLY
CERAMIC PATCHING	1 PART 	3 PART   	-	SUFFICIENTLY

PRECAUTIONS

- Contact with cement may cause irritation or skin damage
- When working with cement wear suitable protective clothing and equipment.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
- Keep out of reach of children

STORAGE INSTRUCTION



Store in dry place

Manufactured by:

IG VICEM
BUT SON

VICEM BUTSON CEMENT JOINT STOCK COMPANY
THANH SON COMMUNE, KIM BANG DISTRICT, HA NAM PROVINCE, VIETNAM

PRODUCT OF VIETNAM

Required Markings

Blended Hydraulic Cement

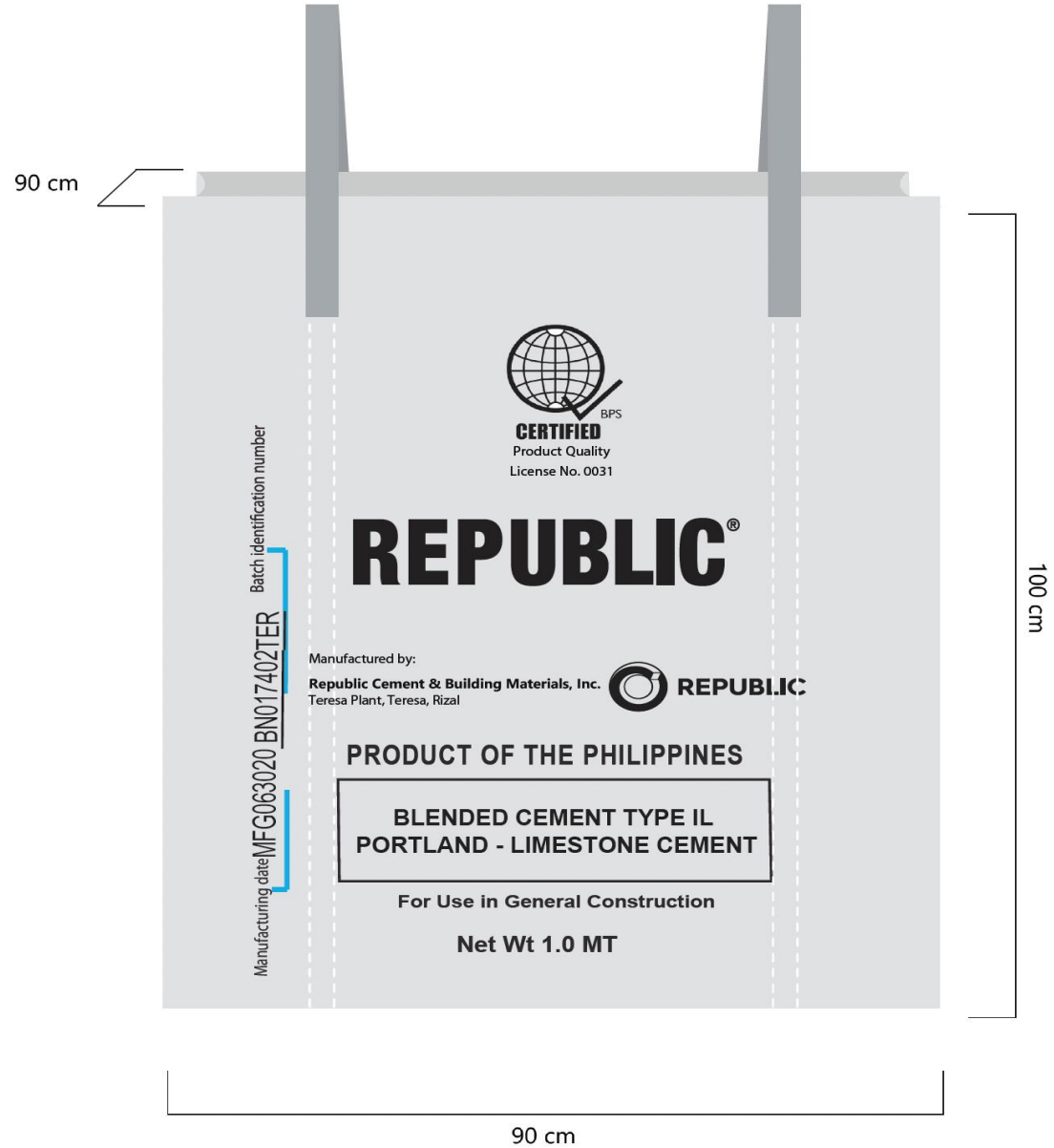
1. Name and address of manufacturer;
2. Name and address of importer, if applicable;
3. The words “Bagged by” followed by the name and address of the bagging facility, if applicable;
4. Product Classification, Specification and Application as prescribed by PNS 63;
5. Trade name/brand name;

Required Markings

Blended Hydraulic Cement

6. Trademark of the manufacturer;
7. Net mass of cement in kg or MT;
8. Country of manufacture;
- 10 .PS Mark with License Number;
11. Batch identification number and manufacturing date;
12. *Bright yellow band as prescribed in PNS 63;*





BPS Contact Details

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Thank you.